

## List of all testing methods carried out within the scope of accreditation

|                           |   |  |
|---------------------------|---|--|
| <b>Flexibility legend</b> | Category 1 (*) :  | incl. category 3 + free choice of standard or equivalent test methods                  |
|                           | Category 2 (**) :   | incl. categories 3 and 1 + modification, development and refinement of testing methods |
|                           | Category 3 :  | use standards or equivalent testing methods listed with different issue dates          |
|                           | ---   | no flexibility   |
| <b>Status legend</b>      | Stock: same as on annex to accreditation; Flexible: other issue/modification than accreditation annex or <i>method only to find on this list within flexibility</i> |  |

| Partial certificate / chapter | Flexibility | Status   | Method                              | Issue            | Title of the method  | Modification  |
|-------------------------------|-------------|----------|-------------------------------------|------------------|--|---|
| D-PL-14082-01-01              |             |          |                                     |                  | Sensory, physical, physico-chemical, chemical, microbiological, molecular biological and immunological analysis of food and feed;<br>Microbiological, molecular biological and immunological analysis of surrounding samples, fitment and utensils in food and feed areas  |   |
| D-PL-14082-01-01 / 1          |             |          |                                     |                  | <b>Analysis of food and feed</b>   |   |
| D-PL-14082-01-01 / 1.1        | Category 2  |          |                                     |                  | <b>Sensory analysis of food and feed by simple descriptive tests **</b>  |   |
| D-PL-14082-01-01 / 1.1        | Category 2  | Stock    | DIN ISO 22935-2                     | : 2012-12 (mod.) | Milk and milk products – Sensory analysis – Part 2: Recommended methods for sensory evaluation   | extension to matrix food  |
| D-PL-14082-01-01 / 1.1        | Category 2  | Stock    | DIN ISO 22935-3                     | : 2012-12 (mod.) | Milk and milk products – Sensory analysis – Part 3: Guidance on a method for evaluation of compliance with product specifications for sensory properties by scoring  | extension to matrix food  |
| D-PL-14082-01-01 / 1.1        | Category 2  | Stock    | DIN 10964                           | : 2014-11        | Sensory analysis – Simple descriptive test   | no coding of samples  |
| D-PL-14082-01-01 / 1.1        | Category 2  | Flexible | MP-00167-DE                         | : 2022-11        | Simple descriptive sensory analysis of pet food  |   |
| D-PL-14082-01-01 / 1.2        |             |          |                                     |                  | <b>Physical, physico-chemical, chemical analysis of food and feed</b>  |   |
| D-PL-14082-01-01 / 1.2.1      | Category 3  |          |                                     |                  | <b>Sample preparation and sample pretreatment</b>  |   |
| D-PL-14082-01-01 / 1.2.1      | Category 3  | Stock    | DIN EN 12393-2                      | : 2014-03        | Foods of plant origin - Multiresidue methods for the determination of pesticide residues by GC or LC-MS/MS - Part 2: Methods for extraction and cleanup; German version EN 12393-2:2013  | extension to matrix animal food and feed  |
| D-PL-14082-01-01 / 1.2.1      | Category 3  | Stock    | DIN EN 13805                        | : 2014-12        | Foodstuffs - Determination of trace elements - Pressure digestion; German version EN 13805:2014  |   |
| D-PL-14082-01-01 / 1.2.1      | Category 3  | Stock    | DGF C-VI 11a                        | : 2016 (mod.)    | Representation of fatty acid methyl esters (boron trifluoride method)  | also used in milk fats, without C4 and C6 fatty acid determination; transesterification of the entire sample without prior fat extraction |
| D-PL-14082-01-01 / 1.2.1      | Category 3  | Stock    | DGF C-VI 11d                        | : 1998 (mod.)    | Representation of fatty acid methyl esters (alkaline transesterification)  | transesterification with sodium   |
| D-PL-14082-01-01 / 1.2.2      | Category 3  |          |                                     |                  | <b>Determination of parameters by physical, physico-chemical and chemical methods</b>  |   |
| D-PL-14082-01-01 / 1.2.2      | Category 3  | Stock    | DIN 10311                           | : 1985-08        | Determination of the water dispersion in butter; indicator paper method  |   |
| D-PL-14082-01-01 / 1.2.2      | Category 3  | Stock    | DIN 10331                           | : 1996-03        | Determination of the hardness of butter  |   |
| D-PL-14082-01-01 / 1.2.2      | Category 3  | Flexible | VDLUF A III, 25.1                   | : 2012           | Determination of net energy lactation (estimation method); gas formation according to Hohenheim feed value test  |   |
| D-PL-14082-01-01 / 1.2.2      | Category 3  | Stock    | VDLUF A VI, C 12.2                  | : 2003           | Milk and dairy products, determination of density with the pycnometer  |   |
| D-PL-14082-01-01 / 1.2.2      | Category 3  | Stock    | VDLUF A VI, C 26.4                  | : 1995           | Milk and milk products, determination of bulk density  |   |
| D-PL-14082-01-01 / 1.2.2      | Category 3  | Stock    | OIML R87                            | : 2016           | Quantity of product in prepackages   |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  |          |                                     |                  | <b>Determination of parameters and ingredients by gravimetry in food and feed **</b>   |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Stock    | VO (EG) 152/2009 Anhang III, A      | : 2009-01 (mod.) | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of moisture   | single determination, drying time 4h with vacuum variant, no final drying   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Stock    | VO (EG) 152/2009 Anhang III, H      | : 2009-01        | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of the content of crude oils and fats in feedstuff                |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Stock    | VO (EG) 152/2009 Anhang III, I      | : 2009-01        | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of the crude fibre content of feedstuff                           |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Stock    | VO (EG) 152/2009 Anhang III, M      | : 2009-01        | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of the crude ash content of feedstuff                             |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Stock    | VO (EG) 152/2009 Anhang III, N      | : 2009-01        | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of the content of ash insoluble in hydrochloric acid in feedstuff |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Flexible | ISO 5984                            | : 2022-04        | Animal feeding stuffs - Determination of crude ash   |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Flexible | ISO 5985                            | : 2002-11        | Animal feeding stuffs - Determination of ash insoluble in hydrochloric acid  |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Flexible | ISO 6492                            | : 1999-08        | Animal feeding stuffs - Determination of fat content   |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Stock    | ISO 6496                            | : 1999-08 (mod.) | Animal feeding stuffs - Determination of moisture and other volatile matter content  | single determination  |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Flexible | ISO 6865                            | : 2000-10        | Animal feeding stuffs - Determination of crude fibre content - Method with intermediate fibrillation   |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Stock    | ISO 16472                           | : 2006-04        | Animal feeding stuffs - Determination of amylase-treated neutral detergent fibre content (aNDF)  |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Flexible | DIN EN ISO 712                      | : 2010-04        | Cereals and cereal products - Determination of moisture content - Reference method (ISO 712:2009); German version EN ISO 712:2009  |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Flexible | DIN EN ISO 3727-1                   | : 2002-04 (mod.) | Butter - Determination of moisture, non-fat solids and fat contents - Part 1: Determination of moisture content (Reference method) (ISO 3727-1:2001); German version EN ISO 3727-1:2001  | drying time 4h  |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Stock    | DIN EN ISO 13906                    | : 2008-11        | Animal feeding stuffs - Determination of acid detergent fibre (ADF) and acid detergent lignin (ADL) contents; German version EN ISO 13906:2008   |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Stock    | ASU L 00.00-18:1997-01 Berichtigung | : 2017-10        | Analysis of foodstuffs - Determination of dietary fiber in food  |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Stock    | ASU L 06.00-3                       | : 2014-08 (mod.) | Analysis of foodstuffs - Determination of the water content in meat and meat products - Gravimetric method - Reference method  | extension to matrix food  |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Flexible | ASU L 06.00-4                       | : 2017-10 (mod.) | Analysis of foodstuffs - Determination of ash in meat, meat products and sausage products - Gravimetric method (reference method)  | extension to matrix food  |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Stock    | ASU L 06.00-6                       | : 2014-08 (mod.) | Analysis of foodstuffs - Determination of the total fat content in meat and meat products - Gravimetric method according to Weibull-Stoldt - Reference method  | extension to matrix food  |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Flexible | ASU L 16.01-1                       | : 2008-12        | Analysis of foodstuffs - Determination of moisture content in cereal flour   |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Flexible | ASU L 16.01-2                       | : 2008-12        | Analysis of foodstuffs - Determination of ash in cereal flour  |   |
| D-PL-14082-01-01 / 1.2.3      | Category 2  | Stock    | ASU L 17.00-1:1982-05, Berichtigung | : 2002-12 (mod.) | Determination of the drying loss in bread including rolls of bread dough   | no pre-drying, drying time 4h, extension to matrix food   |

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| Partial certificate / chapter   | Flexibility       | Status   | Method                                 | Issue     | Title of the method  | Modification                                     |
|---------------------------------|-------------------|----------|--|-----------|--|--|
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Stock    | ASU L 17.00-3:1982-05<br>Berichtigung  | : 2002-12 | (mod.) Determination of the ash content in bread including rolls of bread dough  | extension to matrix food                         |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Stock    | ASU L 17.00-4                          | : 2017-10 | (mod.) Analysis of foodstuffs - Determination of the total fat content in bread including rolls of bread dough after acid digestion by means of extraction and gravimetry  | extension to matrix dry food                     |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | Dänemark, PD meddelelse<br>FO 08/06    | : 2008-06 | Determination of EFOS Svin (pig feed)  |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | Dänemark, PD meddelelse<br>FO 08/06    | : 2008-06 | Determination of EFOS i  |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | Dänemark, PD meddelelse<br>FO 19/05    | : 2019-05 | Determination of EFOS kvaeg in cattle feed   |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | UNECE DDP Annex I                      | : 2020-12 | Standard Layout for UNECE Standards on dry and dried produce - Annex I Determination of the moisture content for dried produce   |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | UNECE DDP Annex II                     | : 2020-12 | Standard Layout for UNECE Standards on dry and dried produce - Annex II Determination of the moisture content for dry produce  |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | VDLUF A III, 5.5.1                     | : 1983    | Determination of petroleum ether insoluble impurities (PUV) in feed fats and oils  |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Stock    | VDLUF A III, 6.6.1                     | : 1997    | Determination of enzyme-soluble organic substance (cellulase method)   |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | VDLUF A III, 10.6.5                    | : 1988    | Determination of total phosphorus Gravimetric method   |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Stock    | VDLUF A VI, C 10.2                     | : 2000    | (mod.) Determination of total ash  | ashing time 10h                                  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | VDLUF A VI, C 15.2.1                   | : 2020-01 | Determination of the fat content of milk and milk products - Röse-Gottlieb method  |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | VDLUF A VI, C 15.2.2                   | : 2020-01 | Determination of the fat content of cheese and processed cheese - method according to Schmid-Bondzynski-Ratzlaff   |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | VDLUF A VI, C 15.2.3                   | : 2020-01 | Determination of the fat content of milk and milk products - Weibull-Stoldt method   |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | VDLUF A VI, C 15.2.4                   | : 1995    | Determination of free fat in fat-containing dried milk products  |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Stock    | VDLUF A VI, C 35.3                     | : 2020    | (mod.) Dry matter (water content); sea sand method   | drying time 4h                                   |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | VDLUF A VI, C 35.6                     | : 1985-01 | Determination of the water content of dried milk products  |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | VDLUF A VI, C 35.8                     | : 1985-01 | Determination of the water content of butter - rapid method  |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | VDLUF A VI, C 35.9                     | : 1988    | Determination of the fat-free dry matter of butter   |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Stock    | CODEX STAN 70                          | : 1981    | Codex Standard for Canned Tuna And Bonito  |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Stock    | CODEX STAN 92                          | : 1981    | Codex Standard for Quick Frozen Shrimps or Prawns  |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Stock    | CODEX STAN 165                         | : 1989    | Standard for Quick Frozen Blocks of Fish Fillets, Minced Fish Flesh and Mixtures   |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | MP-00031-DE                            | : 2023-12 | Determination of crude fat in capsules (without hydrolysis)  |  |
| D-PL-14082-01-01 / 1.2.3        | Category 2        | Flexible | MP-00166-DE                            | : 2022-10 | Proportions by weight and number of pieces of the components of food and feed  |  |
| <b>D-PL-14082-01-01 / 1.2.4</b> | <b>Category 2</b> |          |  |           | <b>Determination of parameters and ingredients by titrimetry in food and feed **</b>   |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Stock    | VO (EG) 152/2009<br>Anhang III, C      | : 2009-01 | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of the crude protein content of feedstuff         |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Stock    | VO (EG) 152/2009<br>Anhang III, J      | : 2009-01 | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of the sugar content of feedstuff                 |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Stock    | VO (EG) 152/2009<br>Anhang III, K      | : 2009-01 | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of the lactose content of feedstuff               |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Stock    | VO (EG) 152/2009<br>Anhang III, Q      | : 2009-01 | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of the chlorine content of chlorides in feedstuff |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Flexible | ASU L 00.00-46/1                       | : 1999-11 | Analysis of foodstuffs - Determination of sulphite in food - Part 1: Optimized Monier-Williams method  |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Flexible | ASU L 01.00-10/1                       | : 2016-03 | Analysis of foodstuffs - Determination of the nitrogen content in milk and milk products - Part 1: Kjeldahl method and calculation of the crude protein content  |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Stock    | ASU L 06.00-7                          | : 2014-08 | (mod.) Analysis of foodstuffs - Determination of the crude protein content in meat and meat products - Titrimetric method according to Kjeldahl - Reference method   | extension to matrix food                         |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Flexible | ASU L 07.00-5/1                        | : 2010-01 | Analysis of foodstuffs - Determination of the salt content (sodium chloride) in meat products - Potentiometric endpoint determination  |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Stock    | ASU L 13.00-37                         | : 2018-06 | Analysis of foodstuffs - animal and vegetable fats and oils - determination of the peroxide number - iodometric (visual) endpoint determination  |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Stock    | ASU L 17.00-6:1988-12,<br>Berichtigung | : 2009-06 | (mod.) Analysis of foodstuffs; Determination of chloride for the calculation of table salt in bread including rolls of bread dough   | extension to matrix food                         |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Stock    | ASU L 17.00-15                         | : 2013-08 | (mod.) Analysis of foodstuffs - Determination of the crude protein content in bread including rolls of bread dough - Kjeldahl method   | extension to matrix food                         |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Flexible | ASU L 26.04-4                          | : 1987-06 | Analysis of foodstuffs; Determination of the titratable acids (total acid) in the infusion liquid or press brine of sauerkraut   |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Flexible | ASU L 31.00-3                          | : 1997-09 | Analysis of foodstuffs - Determination of titratable acidity of fruit and vegetable juices   |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Flexible | ASU L 46.02-1                          | : 2013-08 | (mod.) Analysis of foodstuffs - Determination of the water content in roasted coffee according to Karl Fischer; Reference method   | extraction of the coffee in the titration vessel |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Flexible | ASU L 52.04-2                          | : 1987-06 | Analysis of foodstuffs; Determination of the titratable acids (total acid) in vinegar, with the exception of wine vinegar  |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Flexible | DIN EN ISO 5943                        | : 2007-01 | Cheese and processed cheese products - Determination of chloride content - Potentiometric titration method (ISO 5943:2006); German version EN ISO 5943:2006  |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Flexible | DIN EN ISO 8534                        | : 2017-05 | Animal and vegetable fats and oils - Determination of water content - Karl Fischer method (pyridine free) (ISO 8534:2017); German version EN ISO 8534:2017   |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Flexible | ISO 5983-2                             | : 2009-06 | Animal feeding stuffs - Determination of nitrogen content and calculation of crude protein content - Part 2: Block digestion and steam distillation method   |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Flexible | VDLUF A III, 4.2.1                     | : 1976    | Determination of ferment soluble crude protein   |  |
| D-PL-14082-01-01 / 1.2.4        | Category 2        | Flexible | VDLUF A III, 5.2.1                     | : 1976    | (mod.) Determination of free fatty acids   | fat extraction by cold ether extraction          |

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| D-PL-14082-01-01 / 1.2.4         | Category 2        | Flexible | VDLUFA III, 5.4.5                                | : 1976 (mod.)    | Determination of the acid value   | fat extraction by cold ether extraction  |
| D-PL-14082-01-01 / 1.2.4         | Category 2        | Flexible | VDLUFA III, 10.5.1                               | : 1976           | Determination of chlorine from chlorides  |  |
| D-PL-14082-01-01 / 1.2.4         | Category 2        | Stock    | VDLUFA III, 7.2.6                                | : 2012           | Determination of the acidity of milk and liquid dairy products  |  |
| D-PL-14082-01-01 / 1.2.4         | Category 2        | Stock    | VDLUFA VI, C 8.3                                 | : 2000           | Determination of the titratable acidity of dried milk products  |  |
| D-PL-14082-01-01 / 1.2.4         | Category 2        | Flexible | VDLUFA VI, C 8.4                                 | : 2000           | Bestimmung der titrierbaren Säure von getrockneten Milchprodukten   |  |
| D-PL-14082-01-01 / 1.2.4         | Category 2        | Flexible | MP-02707-DE                                      | : 2023-12        | Determination of the peroxide value in food and feed after cold extraction  |  |
| <b>D-PL-14082-01-01 / 1.2.5</b>  | <b>Category 2</b> |          |  |                  | <b>Determination of ingredients and additives by photometry in food and feed **</b>   |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Stock    | DIN EN 12014-3                                   | : 2005-08 (mod.) | Foodstuffs - Determination of nitrate and/or nitrite content - Part 3: Spectrometric determination of nitrate and nitrite content of meat products after enzymatic reduction of nitrate to nitrite; German version EN 12014-3:2005  | extension to matrix food and feed of animal origin, clarification of sample extracts by centrifugation/filtration      |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Flexible | DIN EN ISO 30024                                 | : 2009-11        | Animal feeding stuffs - Determination of phytase activity (ISO 30024:2009); German version EN ISO 30024:2009  |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Stock    | ASU L 00.00-94                                   | : 2006-09        | Analysis of foodstuffs- Determination of inulin in food - Enzymatic method  |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Stock    | ASU L 06.00-08                                   | : 2017-10        | Analysis of foodstuffs - Determination of the hydroxyproline content in meat, meat products and sausage products - Photometric method after acidic digestion (reference method)   |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Stock    | ASU L 17.00-7:1983-11, Berichtigung              | : 2002-12        | Analysis of foodstuffs - Determination of L-glutamic acid (L-glutamate) in meat products - Enzymatic method   |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Flexible | ASU L 07.00-17                                   | : 2017-10 (mod.) | Determination of lactose in bread including rolls of bread dough  | extension to matrix food   |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Flexible | r-biopharm EnzytecTM Liquid Citric acid          | : 2022-04        | Enzymatic UV determination of citric acid in food and other sample materials  |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Flexible | r-biopharm EnzytecTM Liquid Ethanol              | : 2017-11        | Enzymatische Bestimmung von Ethanol in Lebensmitteln und anderen Probenmaterialien  |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Flexible | Thermo Testkit L-Glutamic acid (Ref-Nr. 984 636) | : 2020-05        | Photometric determination of L-Glutamic acid in homogenous liquid samples   |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Stock    | VDLUFA III, 12.3.1                               | : 1988 (mod.)    | Determination of added and natural carotenoids in animal feed   | extension to matrix dietary supplements for lutein   |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Stock    | VDLUFA III, 13.6.1                               | : 1983 (mod.)    | Determination of choline chloride   | determination from the aqueous extract   |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Flexible | VDLUFA III, 27.1.3                               | : 2012           | Preparation of mineral feeds and premixes for the determination of phytase activity   |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Flexible | VDLUFA III, 27.1.4                               | : 2016           | Processing of feed additives for the determination of phytase activity  |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Flexible | VDLUFA VI, C 8.6                                 | : 1993           | Enzymatic determination of the D(-) and L(+)-lactic acid or D(-) and L(+)-lactate content   |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Flexible | VDLUFA VI, C 20.2.3                              | : 1985-01        | Enzymatic determination of the lactose and galactose content of milk and milk products  |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Flexible | MP-01376-DE                                      | : 2022-11        | Determination of added and natural carotenoids in concentrates by photometry  |  |
| D-PL-14082-01-01 / 1.2.5         | Category 2        | Flexible | MP-02708-DE                                      | : 2022-11        | Photometric determination of nitrite and nitrate in food and feed after enzymatic reduction   |  |
| <b>D-PL-14082-01-01 / 1.2.6</b>  | <b>Category 1</b> |          |  |                  | <b>Determination of ingredients by polarimetry in food and feed *</b>   |  |
| D-PL-14082-01-01 / 1.2.6         | Category 1        | Stock    | VO (EG) 152/2009, Anhang III, L                  | : 2009-01        | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of the starch content of feedstuff |  |
| D-PL-14082-01-01 / 1.2.6         | Category 1        | Stock    | ASU L 17.00-5                                    | : 2003-12        | Analysis of foodstuffs - Determination of the starch content in bread including rolls of bread dough  |  |
| <b>D-PL-14082-01-01 / 1.2.7</b>  | <b>Category 1</b> |          |  |                  | <b>Determination of parameters and ingredients by electrode measurement in food and feed *</b>  |  |
| D-PL-14082-01-01 / 1.2.7         | Category 1        | Flexible | ISO 18787  | : 2017-11        | Foodstuffs - Determination of water activity  |  |
| D-PL-14082-01-01 / 1.2.7         | Category 1        | Stock    | DIN EN 16279                                     | : 2012-09        | Animal feeding stuffs - Determination of fluoride content after hydrochloric acid treatment by ion-sensitive electrode method (ISE); German version EN 16279:2012   |  |
| D-PL-14082-01-01 / 1.2.7         | Category 1        | Stock    | ASU L 06.00-2                                    | : 1980-09        | Measurement of the pH-value in meat and meat products   |  |
| D-PL-14082-01-01 / 1.2.7         | Category 1        | Stock    | ASU L 26.04-3                                    | : 1987-06        | Analysis of foodstuffs: Measurement of the pH value in the infusion liquid or press brine of sauerkraut   |  |
| D-PL-14082-01-01 / 1.2.7         | Category 1        | Stock    | ASU L 26.11.03-3                                 | : 1983-05        | Determination of the pH-value of tomato concentrate   |  |
| D-PL-14082-01-01 / 1.2.7         | Category 1        | Stock    | ASU L 49.00-7                                    | : 2000-07 (mod.) | Analysis of foodstuffs - Determination of fluoride in dietetic food with the ion-sensitive electrode  | extension to matrix food   |
| D-PL-14082-01-01 / 1.2.7         | Category 1        | Stock    | VDLUFA VI, C 8.2                                 | : 2000           | Acidity; pH value in milk and dairy products  |  |
| D-PL-14082-01-01 / 1.2.7         | Category 1        | Stock    | VDLUFA III, 18.1                                 | : 1976 (mod.)    | Silage, determination of pH value   | extension to matrix feed   |
| <b>D-PL-14082-01-01 / 1.2.8</b>  | <b>Category 3</b> |          |  |                  | <b>Determination of ingredients in food and feed by combustion in food and feed</b>   |  |
| D-PL-14082-01-01 / 1.2.8         | Category 3        | Stock    | DIN EN ISO 16634-1                               | : 2009-07 (mod.) | Food products - Determination of the total nitrogen content by combustion according to the Dumas principle and calculation of the crude protein content - Part 1: Oilseeds and animal feeding stuffs  | use of argon as carrier gas  |
| <b>D-PL-14082-01-01 / 1.2.9</b>  | <b>Category 1</b> |          |  |                  | <b>Determination of elements by inductively coupled plasma optical emission spectrometry (ICP-OES) in food and feed *</b>   |  |
| D-PL-14082-01-01 / 1.2.9         | Category 1        | Stock    | DIN EN 15621                                     | : 2017-10 (mod.) | Animal feeding stuffs - Methods of sampling and analysis - Determination of calcium, sodium, phosphorus, magnesium, potassium, sulphur, iron, zinc, copper, manganese and cobalt after pressure digestion by ICP-AES; German version EN 15621:2017                                  | extension for boron, reduction of the method for cobalt, digestion of premixes with aqua regia in the Odlab system     |
| D-PL-14082-01-01 / 1.2.9         | Category 1        | Stock    | DIN EN 16943                                     | : 2017-07 (mod.) | Foodstuffs - Determination of calcium, copper, iron, magnesium, manganese, phosphorus, potassium, sodium, sulfur and zinc by ICP-OES; German version EN 16943:2017  | digestion of premixes with aqua regia in the Odlab system, no use of hydrochloric acid for standard production         |
| <b>D-PL-14082-01-01 / 1.2.10</b> | <b>Category 1</b> |          |  |                  | <b>Determination of elements by inductively coupled plasma mass spectrometry (ICP-MS) in food and feed *</b>  |  |
| D-PL-14082-01-01 / 1.2.10        | Category 1        | Stock    | DIN EN 15111                                     | : 2007-06        | Foodstuffs - Determination of trace elements - Determination of iodine by ICP-MS (inductively coupled plasma mass spectrometry); German version EN 15111:2007   |  |
| D-PL-14082-01-01 / 1.2.10        | Category 1        | Stock    | DIN EN 15763                                     | : 2010-04 (mod.) | Foodstuffs - Determination of trace elements - Determination of arsenic, cadmium, mercury and lead in foodstuffs by inductively coupled plasma mass spectrometry (ICP-MS) after pressure digestion; German version EN 15763:2009  | extension for the following elements: Al, Co, Cr, Mo, Ni, Sb, Se, Sn, Ti, U, V, Cu, Mn, reduction of the method for Hg |
| D-PL-14082-01-01 / 1.2.10        | Category 1        | Stock    | DIN EN 16802                                     | : 2016-07        | Foodstuffs - Determination of elements and their chemical species - Determination of inorganic arsenic in foodstuffs of marine and plant origin by anion-exchange HPLC-ICP-MS; German version EN 16802:2016   |  |
| D-PL-14082-01-01 / 1.2.10        | Category 1        | Stock    | DIN EN 17050                                     | : 2017-11        | Animal feeding stuffs - Methods of sampling and analysis - Determination of iodine in animal feed by ICP-MS; German version EN 17050:2017   |  |

## List of all testing methods carried out within the scope of accreditation

**Flexibility legend**  
 Category 1 (\*): incl. category 3 + free choice of standard or equivalent test methods  
 Category 2 (\*\*): incl. categories 3 and 1 + modification, development and refinement of testing methods  
 Category 3: use standards or equivalent testing methods listed with different issue dates  
 --- no flexibility

**Status legend**  
 Stock: same as on annex to accreditation; Flexible: other issue/modification than accreditation annex or *method only to find on this list within flexibility*

| Partial certificate / chapter | Flexibility | Status   | Method                         | Issue            | Title of the method   | Modification  |
|-------------------------------|-------------|----------|--------------------------------|------------------|---|---|
| D-PL-14082-01-01 / 1.2.10     | Category 1  | Stock    | DIN EN 17053                   | : 2018-03 (mod.) | Animal feeding stuffs - Methods of sampling and analysis - Determination of trace elements, heavy metals and other elements in feed by ICP-MS (multi-method); German version EN 17053:2018  | extension for Al, Cr, Ni, Sb, Sn and V, reduction of the method for Hg  |
| D-PL-14082-01-01 / 1.2.10     | Category 1  | Flexible | DIN EN 17374                   | : 2020-09        | Animal feeding stuffs. Methods of sampling and analysis - Determination of inorganic arsenic in animal feed by anion-exchange HPLC-ICP-MS; German version EN 17374:2020   |   |
| D-PL-14082-01-01 / 1.2.11     | Category 1  | Stock    | DIN EN 13806                   | : 2002-11        | <b>Determination of elements by atomic absorption spectrometry (KD-AAS) in food and feed *</b><br>Foodstuffs - Determination of trace elements - Determination of mercury by cold-vapour atomic absorption spectrometry (CVAAS) after pressure digestion; German version EN 13806:2002                          |   |
| D-PL-14082-01-01 / 1.2.11     | Category 1  | Stock    | DIN EN 16277                   | : 2012-09 (mod.) | Animal feeding stuffs - Determination of mercury by cold-vapour atomic absorption spectrometry (CVAAS) after microwave pressure digestion (extraction with 65 % nitric acid and 30 % hydrogen peroxide); German version EN 16277:2012   | without hydrogen peroxide   |
| D-PL-14082-01-01 / 1.2.12     | Category 3  | Stock    | DIN EN 12014-2                 | : 2018-02 (mod.) | <b>Determination of nitrate by ion chromatographic (IC) in food</b><br>Foodstuffs - Determination of nitrate and/or nitrite content - Part 2: HPLC/IC method for the determination of nitrate content of vegetables and vegetable products; German version EN 12014-2:2017                                      | extraction at 70°C  |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | VO (EG) 152/2009 Anhang III, F | : 2009-01 (mod.) | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of the content of amino acids (except tryptophan) in feedstuff | extension to infant food and dietary foods  |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | VO (EG) 152/2009 Anhang III, G | : 2009-01 (mod.) | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of tryptophan content in feedstuff                             | extension to foodstuffs   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | VO (EG) 152/2009 Anhang IV, A  | : 2009-01 (mod.) | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of the vitamin A content of feedstuffs and premixtures         | extension to matrix food, simple extraction, no addition of Na2S, Single extraction of a defined aliquot of the saponification preparation in 15 ml petroleum spirit, optional sample grinding                      |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | VO (EG) 152/2009 Anhang IV, B  | : 2009-01 (mod.) | Commission Regulation (EC) No 152/2009 of 27 January 2009 laying down the methods of sampling and analysis for the official control of feed – Methods of analysis to control the composition of feed materials and compound feed - Determination of the vitamin E content of feedstuff and premixtures          | extension to matrix food, saponification without addition of Na2S, one-time extraction of a defined aliquot of the saponification preparation in 15 ml petroleum spirit, optional sample grinding.                  |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | DIN EN ISO 9167                | : 2020-03 (mod.) | Rapeseed and rapeseed meals - Determination of glucosinolates content - Method using high-performance liquid chromatography (ISO 9167:2019); German version EN ISO 9167:2019  | extraction with 70% methanol  |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | DIN EN 12821                   | : 2009-08 (mod.) | Foodstuffs – Determination of vitamin D by high performance liquid chromatography – Measurement of cholecalciferol (D3) or ergocalciferol (D2); German version EN 12821:2009  | saponification without addition of Na2S, single extraction of a defined aliquot of the saponification mixture in 15 ml petroleum spirit, optional sample grinding   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | DIN EN 12822                   | : 2014-08 (mod.) | Foodstuffs - Determination of vitamin E by high performance liquid chromatography - Measurement of α-, β-, γ- and δ-tocopherols; German version EN 12822:2014   | extension to matrix feed, single extraction of a defined aliquot of the saponification preparation in 15 ml petroleum spirit/diethyl ether (80:20)  |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | DIN EN 12823-2                 | : 2000-07 (mod.) | Foodstuffs - Determination of vitamin A by high performance liquid chromatography - Part 2: Measurement of β-carotene; German version EN 12823-2:2000   | extension to matrix feed, single extraction   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | DIN EN 14122                   | : 2014-08 (mod.) | Foodstuffs - Determination of vitamin B1 by high performance liquid chromatography; German version EN 14122:2014  | extension to matrix feed, autoclaving time shortened  |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | DIN EN 14152                   | : 2014-08 (mod.) | Foodstuffs - Determination of vitamin B2 by high performance liquid chromatography; German version EN 14152:2014  | extension to matrix feed, autoclaving time shortened  |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | DIN EN 14663                   | : 2006-03 (mod.) | Foodstuffs - Determination of vitamin B6 (including its glycosylated forms) by HPLC; German version EN 14663:2005   | extension to matrix feed, autoclaving time shortened  |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | DIN EN 15086                   | : 2006-06 (mod.) | Foodstuffs - Determination of isomalt, lactitol, maltitol, mannitol, sorbitol and xylitol in foodstuffs; German version EN 15086:2006   | use of a light scattering detector (ELSD), use of a HILIC HPLC column, no determination of isomalt  |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | DIN 10758:1997-05 Berichtigung | : 2018-09 (mod.) | Analysis of honey - Determination of the content of saccharides fructose, glucose, saccharose, turanose and maltose - HPLC method   | extension to matrix food and feed; use of a light scattering detector (ELSD), use of a HILIC HPLC column, no determination of turanose, extension of the method for lactose   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | AOAC 999.12                    | : 2003           | Taurine in pet food   |   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Flexible | ASU L 18.00-16                 | : 1999-11 (mod.) | Analysis of foodstuffs - Determination of Theobromine and Caffeine in Fine Baked Goods  | extension to matrix food and matrix feed, extraction with MeOH/H2O mixture at elevated temperature  |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Flexible | VDLUFA III, 4.11.4             | : 1993 (mod.)    | <b>Determination of DL-2-hydroxy-4-methyl-mercapto-butyric acid after hydrolysis (total MHA)</b>  | Use of a C18 column   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | VDLUFA III, 4.11.5             | : 1997           | Determination of methionine in feed with high chloride content  |   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | VDLUFA III, 13.8.1             | : 1997 (mod.)    | Determination of vitamin D3 in feed; HPLC method  | saponification without addition of Na2S, single extraction of a defined aliquot of the saponification mixture in 15 ml petroleum spirit, optional sample grinding   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Flexible | VDLUFA III, 13.9.1             | : 2006 (mod.)    | Feed - Determination of B vitamins including nicotinic acid; HPLC method  | extension matrix food; additional determination of riboflavin-5'-phosphate; no determination of nicotinic acid; analysis of vitamin B1, B2, B6 up to 100mg/100g in mineral-poor matrices by means of hot extraction |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | VDLUFA III, 14.22.1            | : 2006 (mod.)    | Determination of monensin sodium (HPLC method)  | extension to the determination of lasalocid, narasin and maduramycin  |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Flexible | VDLUFA III, 14.23.1            | : 2006           | Determination of Salinomycin sodium (HPLC method)   |   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Flexible | MP-00191-DE                    | : 2022-03        | Determination of vitamin K3 (menadiolone) in feed, HPLC method  |   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Flexible | MP-00192-DE                    | : 2022-03        | Determination of vitamin K1 (phyloquinone) in food and feed, HPLC method with post-column reduction   |   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Flexible | MP-00231-DE                    | : 2024-02        | Determination of preservatives in food and feed by HPLC   |   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Stock    | MP-00240-DE                    | : 2022-08        | Determination of taurine in selected foods and beverages by HPLC  |   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Flexible | MP-00244-DE                    | : 2023-11        | Determination of coumarin in food samples by HPLC   |   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Flexible | MP-00247-DE                    | : 2024-02        | Determination of nicarbazin in feed, premixes and high concentrates by HPLC   |   |
| D-PL-14082-01-01 / 1.2.13     | Category 2  | Flexible | MP-01280-DE                    | : 2024-03        | Determination of ethoxyquin, propyl gallate, butylhydroxyanisole (BHA) and butylhydroxytoluene (BHT) by HPLC  |   |

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 --- no flexibility

**Status legend**  
 Stock: same as on annex to accreditation; Flexible: other issue/modification than accreditation annex or *method only to find on this list within flexibility*

| Partial certificate / chapter    | Flexibility       | Status          | Method              | Issue            | Title of the method   | Modification   |
|----------------------------------|-------------------|-----------------|---------------------|------------------|---|--|
| D-PL-14082-01-01 / 1.2.13        | Category 2        | Flexible        | MP-01308-DE         | : 2023-09        | Determination of betaine and carnitine in concentrates by HPLC  |  |
| D-PL-14082-01-01 / 1.2.13        | Category 2        | Flexible        | MP-01372-DE         | : 2024-04        | Chromatographic determination of vitamin D2, D3 and 25-OH-D3 in food and feed and ergosterol in food  |  |
| D-PL-14082-01-01 / 1.2.13        | Category 2        | Flexible        | MP-01373-DE         | : 2022-03        | Determination of vitamin E acetate in concentrates of feed and food, HPLC method  |  |
| D-PL-14082-01-01 / 1.2.13        | Category 2        | Flexible        | MP-01375-DE         | : 2024-01        | Determination of vitamin C (ascorbic acid) in food and feed, HPLC method  |  |
| D-PL-14082-01-01 / 1.2.13        | Category 2        | Flexible        | MP-02193-DE         | : 2023-09        | Determination of vitamin C phosphate in animal feed, HPLC method  |  |
| D-PL-14082-01-01 / 1.2.13        | Category 2        | Flexible        | MP-02428-DE         | : 2024-04        | Analysis of vitamin D3, D2 and 25-OH-D3 in concentrates and 25-OH-D3 in premixes. HPLC method   |  |
| D-PL-14082-01-01 / 1.2.13        | Category 2        | Stock           | MP-02570-DE         | : 2021-12        | Determination of tocopherol isomer mixtures as pure substance, HPLC method  |  |
| <b>D-PL-14082-01-01 / 1.2.14</b> | <b>Category 2</b> |                 |                     |                  | <b>Determination of ingredients, pesticide residues, residues of pharmacological substances and organic contaminants by liquid chromatography (LC) with mass-selective detection (MS/MS) in food and feed **</b>        |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | EN 15662            | : 2018-05 (mod.) | Foods of plant origin - Multimethod for the determination of pesticide residues using GC- and LC-based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE - Modular QuEChERS-method | extension to matrix animal food and feed, 2g sample weight for samples with low water content  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Stock           | DIN EN 15055        | : 2006-08 (mod.) | Non fatty foods - Determination of chormequat and mepiquat - LC-MS/MS method; German version EN 15055:2006  | extension to matrix food and feed, 60 min shaking extraction   |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | ASU L 15.01/02-5    | : 2012-01 (mod.) | Analysis of foodstuffs - Determination of ergot alkaloids in rye and wheat - HPLC method with cleaning on a basic aluminum oxide solid phase  | extension to matrix cereals and cereal products, no purification of extracts, measurement by LC-MS/MS  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-00180-DE         | : 2024-03        | Determination of selected mycotoxins by HPLC-MS/MS in food and feed   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-00182-DE         | : 2022-09        | Determination of chloramphenicol and vermetin by HPLC-MS/MS (acetonitrile extraction)   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-00211-DE         | : 2024-01        | Determination of glyphosate, AMPA and glufosinate as FMOX derivatives by HPLC-MS/MS method  |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-00225-DE         | : 2023-11        | Determination of polar pesticides in food and feed (HPLC-MS/MS)   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-00234-DE         | : 2024-02        | Determination of melamine and cyanuric acid in food and feed by HPLC-MS/MS  |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Stock           | MP-00237-DE         | : 2022-08        | Determination of acrylamide in food, feed and water by HPLC-MS/MS method  |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-00238-DE         | : 2023-08        | Determination of selected antibiotics in food and feed by HPLC-MS/MS (buffer extraction)  |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Stock           | MP-00242-DE         | : 2022-08        | Determination of polypeptides in feed by HPLC-MS/MS (acid extraction)   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-00245-DE         | : 2022-08        | Determination of fumonisins (mycotoxins) by HPLC-MS/MS  |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-01306-DE         | : 2024-02        | Determination of patulin in fruit and fruit products by LC-MS/MS  |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-01309-DE         | : 2023-01        | Determination of total folate content in food, LC-MS/MS method  |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-01372-DE         | : 2024-04        | Chromatographic determination of vitamin D2, D3 and 25-OH-D3 in food and feed and ergosterol in food  |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-02089-DE         | : 2022-08        | Determination of Aflatoxin M1 in milk and milk products by LC-MS/MS   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-02090-DE         | : 2023-10        | Determination of sugars (residues and low contents) by LC-MS/MS in food and feed  |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-02177-DE         | : 2023-11        | Determination of diquat and paraquat in food and feed by LCMS/MS  |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-02196-DE         | : 2024-03        | Determination of nicotine in food and feed samples by LCMS/MS   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Stock           | MP-02331-DE         | : 2022-09        | Determination of PTU and ETU in food and feed by LC-MS/MS   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-02601-DE         | : 2023-08        | Determination of purines in dry and wet feed by LC-MS/MS  |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-02602-DE         | : 2024-02        | Determination of Pyrolizidine alkaloids and Tropane alkaloids in plant material by HPLC-MS/MS   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-02673-DE         | : 2023-08        | Determination of avermectins in selected food and feed by LCMS/MS   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-02998-DE         | : 2023-08        | Determination of residues of selected lactam antibiotics in food of animal origin by HPLC-MS/MS   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Stock           | MP-03063-DE         | : 2022-07        | Determination of residues of selected aminoglycoside antibiotics in food of animal origin by HPLC-MS/MS   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-03096-DE         | : 2024-02        | Determination of Glycoalkaloids (Solanine-alpha, Chaconine-alpha und Solanidine) in Food and Feed by LC-MS/MS   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-03126-DE         | : 2022-08        | Determination of Alternaria toxins in plantbased products by HPLC-MS/MS   |  |
| D-PL-14082-01-01 / 1.2.14        | Category 2        | Flexible        | MP-03285-DE         | : 2023-10        | Determination of residues of per- and polyfluorinated alkyl compounds (PFAS) in food and feed by HPLC-MS/MS   |  |
| <b>D-PL-14082-01-01 / 1.2.15</b> | <b>Category 2</b> |                 |                     |                  | <b>Determination of ingredients and pesticide residues by gas chromatographic (GC) with conventional detectors (FID, ECD, FPD) in food and feed **</b>  |  |
| D-PL-14082-01-01 / 1.2.15        | Category 2        | Flexible        | ISO 15885 IDF 184   | : 2002-11 (mod.) | Milk fat - Determination of the fatty acid composition by gas-liquid chromatography   | without drying oven or nitrogen treatment, result correction by response factor  |
| D-PL-14082-01-01 / 1.2.15        | Category 2        | Stock           | DIN EN 12393-3      | : 2014-01 (mod.) | Foods of plant origin - Multiresidue methods for the determination of pesticide residues by GC or LC-MS/MS - Part 3: Determination and confirmatory tests; German version EN 12393-3:2013                               | extension to matrix food and feed  |
| D-PL-14082-01-01 / 1.2.15        | Category 2        | Flexible        | ASU L 05.00-16      | : 2014-08 (mod.) | Analysis of foodstuffs - Determination of the cholesterol content in eggs and egg products - Gas chromatographic method   | extension to matrix food   |
| D-PL-14082-01-01 / 1.2.15        | Category 2        | Stock           | DGF C-VI 10a        | : 2016 (mod.)    | Fatty acid composition - Analysis of fatty acids and fatty acid composition by gaschromatography  | also used in milk fats, without C4 and C6 fatty acid determination   |
| <b>D-PL-14082-01-01 / 1.2.15</b> | <b>Category 2</b> | <b>Flexible</b> | <b>MP-03458-DE</b>  | <b>: 2024-04</b> | <b>Determination of mineral oil hydrocarbons (MOSH, MOAH) in food and feed by LC-GC-FID</b>   |  |
| <b>D-PL-14082-01-01 / 1.2.1</b>  | <b>Category 2</b> |                 |                     |                  | <b>Determination of pesticide residues and contaminants by gas chromatographic (GC) with mass selective detectors (MS, MS/MS, HRMS) in food and feed **</b>   |  |
| D-PL-14082-01-01 / 1.2.1         | Category 2        | Flexible        | EN 15662            | : 2018-05 (mod.) | Foods of plant origin - Multimethod for the determination of pesticide residues using GC- and LC-based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE - Modular QuEChERS-method | extension to matrix animal food and feed, 2g sample weight for samples with low water content  |
| D-PL-14082-01-01 / 1.2.1         | Category 2        | Stock           | DIN EN 13191-2      | : 2000-10 (mod.) | Non-fatty foods - Determination of bromide residues - Part 2: Determination of inorganic bromide; German version EN 13191-2:2000  | measurement by means of GC-MS  |
| D-PL-14082-01-01 / 1.2.1         | Category 2        | Stock           | DIN EN 12393-3      | : 2014-01 (mod.) | Foods of plant origin - Multiresidue methods for the determination of pesticide residues by GC or LC-MS/MS - Part 3: Determination and confirmatory tests; German version EN 12393-3:2013                               | extension to matrix food and feed  |
| D-PL-14082-01-01 / 1.2.1         | Category 2        | Stock           | DIN EN 12396-2      | : 1998-12 (mod.) | Non-fatty foods - Determination of dithiocarbamate and thiuram disulfide residues - Part 2: Gas chromatographic method; German version EN 12396-2:1998  | measurement by GC-MS, extension to matrix low-fat feed, lower sample weight  |
| D-PL-14082-01-01 / 1.2.1         | Category 2        | Flexible        | DIN EN 16215        | : 2020-05 (mod.) | Animal feeding stuffs. Methods of sampling and analysis - Determination of dioxins and dioxin-like PCBs by GC/HRMS and of indicator PCBs by GC/HRMS; German version EN 16215:2020                                       | extension to matrix food; measurement also by GC-MS/MS, Screening via silica gel oleum and aluminium oxide column  |
| D-PL-14082-01-01 / 1.2.1         | Category 2        | Stock           | VDLUFA VII, 3.3.3.2 | : 2011 (mod.)    | Determination of polycyclic aromatic hydrocarbons (PAH) in plant material   | extension to matrix food and matrix feed; measurement by using GC-MS/MS; changed composition of extraction solvent; no cleaning on silica gel and Sephadex |
| D-PL-14082-01-01 / 1.2.1         | Category 2        | Flexible        | MP-00183-DE         | : 2024-03        | Determination of volatile organic compounds (BTEX, LHKW, Hexan, Hexanal, Furans) in food and feed by headspace GC-MS  |  |
| D-PL-14082-01-01 / 1.2.1         | Category 2        | Flexible        | MP-02840-DE         | : 2022-09        | Analysis of Ethylenoxid and 2-Chlorethanol in food and feed (GC-MS-MS)  |  |

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| Partial certificate / chapter   | Flexibility       | Status   | Method   | Issue            | Title of the method   | Modification   |
|---------------------------------|-------------------|----------|--|------------------|---|--|
| <b>D-PL-14082-01-01 / 1.3</b>   |                   |          |  |                  | <b>Microbiological analysis of food and feed</b>  |  |
| <b>D-PL-14082-01-01 / 1.3.1</b> | <b>Category 1</b> |          |  |                  | <b>Sample preparation and sample pretreatment by dilution of food and feed *</b>  |  |
| D-PL-14082-01-01 / 1.3.1        | Category 1        | Flexible | DIN EN ISO 6887-1                                  | : 2017-07        | Microbiology of the food chain - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Part 1: General rules for the preparation of the initial suspension and decimal dilutions (ISO 6887-1:2017); German version EN ISO 6887-1:2017           |  |
| D-PL-14082-01-01 / 1.3.1        | Category 1        | Stock    | DIN EN ISO 6887-2                                  | : 2017-07        | Microbiology of the food chain - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Part 2: Specific rules for the preparation of meat and meat products (ISO 6887-2:2017); German version EN ISO 6887-2:2017                                |  |
| D-PL-14082-01-01 / 1.3.1        | Category 1        | Flexible | DIN EN ISO 6887-5                                  | : 2020-08        | Microbiology of the food chain - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Part 5: Specific rules for the preparation of milk and milk products (ISO 6887-5:2020); German version EN ISO 6887-5:2020                                |  |
| <b>D-PL-14082-01-01 / 1.3.2</b> | <b>Category 2</b> |          |  |                  | <b>Determination of vitamins by microbiological test systems in food and feed **</b>  |  |
| D-PL-14082-01-01 / 1.3.2        | Category 2        | Stock    | DIN EN 14131                                       | : 2003-09 (mod.) | Foodstuffs - Determination of folate by microbiological assay; German version EN 14131:2003   | adaptation of the enzyme treatment process step; extension to matrix feed, additional determination of free folate |
| D-PL-14082-01-01 / 1.3.2        | Category 2        | Stock    | USP 21 Methode 88                                  | : 1986 (mod.)    | Biological Tests and Assays - Biotin Assay (determination of the microbiological activity of biotin)  | hydrolytic release of bound biotin   |
| D-PL-14082-01-01 / 1.3.2        | Category 2        | Stock    | USP 34 Methode 441                                 | : 2011 (mod.)    | Niacin or Niacinamide Assay (determination of the microbiological activity of niacin and niacinamide)   | extraction with HCl in steam pot   |
| D-PL-14082-01-01 / 1.3.2        | Category 2        | Stock    | USP 39 Methode 91                                  | : 2016 (mod.)    | Biological Tests and Assays - Calcium Pantothenate Assay (determination of calcium D-pantothenate)  | fermentative release of bound pantothenic acid   |
| D-PL-14082-01-01 / 1.3.2        | Category 2        | Stock    | USP 39 Methode 171                                 | : 2016 (mod.)    | Biological Test and Assays - Vitamin B12 Activity Assay (determination of the microbiological activity of vitamin B12)  | the concentration of sodium sulfite in the extraction solution is not adjusted to the sample weight                |
| D-PL-14082-01-01 / 1.3.2        | Category 2        | Stock    | MP-00171-DE  | : 2023-01        | Analysis of choline using a microbiological assay in food and feedstuffs  |  |
| D-PL-14082-01-01 / 1.3.2        | Category 2        | Flexible | MP-02147-DE  | : 2024-03        | Microbiological determination of inositol in food and feedstuff   |  |
| <b>D-PL-14082-01-01 / 1.3.3</b> | <b>Category 2</b> |          |  |                  | <b>Qualitative and quantitative detection of bacteria, yeasts and moulds by cultural microbiological methods in food and feed **</b>  |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Flexible | bioMérieux BACARA® 2, Certificate AES 10/10-07/10  | : 2022-06        | Enumeration of presumptive <i>Bacillus cereus</i> (validated alternative method)  |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Flexible | BIO-RAD RAPID Enterobacteriaceae®, BRD 07/24-11/13 | : 2021-10        | Enumeration of Enterobacteriaceae in all human food, feed and environmental samples (validated alternative method; reference method NF EN ISO 21528-2:2017)   |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | ISO 4831   | : 2006-08        | Microbiology of food and animal feeding stuffs - Horizontal method for the detection and enumeration of coliforms - Most probable number technique  |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | ISO 4832   | : 2006-02        | Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of coliforms - Colony-count technique  |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | ISO 6579-1   | : 2017-02        | Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of <i>Salmonella</i> - Part 1: Detection of <i>Salmonella</i> spp.   |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | ISO 6611   | : 2004-10 (mod.) | Milk and milk products - Enumeration of colony-forming units of yeasts and/or moulds - Colony-count technique at 25 °C  | extension to matrix bakery products, tea, spices, dried fruits   |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | ISO 7251   | : 2005-02        | Microbiology of food and animal feeding stuffs - Horizontal method for the detection and enumeration of presumptive <i>Escherichia coli</i> - Most probable number technique  |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | ISO 10272-2  | : 2017-06        | Microbiology of the food chain - Horizontal method for detection and enumeration of <i>Campylobacter</i> spp. - Part 2: Colony-count technique  |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | ISO 15213  | : 2003-05        | Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of sulfite-reducing bacteria growing under anaerobic conditions  |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | ISO 15214  | : 1998-08        | Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of mesophilic lactic acid bacteria - Colony-count technique at 30 °C   |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | ISO 21527-1  | : 2008-07        | Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds - Part 1: Colony count technique in products with water activity greater than 0,95  |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | ISO 21527-2  | : 2008-07        | Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds - Part 2: Colony count technique in products with water activity less than or equal to 0,95   |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | ISO 21528-1  | : 2017-06        | Microbiology of the food chain - Horizontal method for the detection and enumeration of Enterobacteriaceae - Part 1: Detection of Enterobacteriaceae  |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | ISO 21871  | : 2006-01 (mod.) | Microbiology of the food chain - Horizontal method for the detection and enumeration of Enterobacteriaceae - Part 2: Colony-count technique   | confirmation of culture-typical colonies using MALDI-ToF   |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | DIN EN ISO 4833-1                                  | : 2013-12 (mod.) | Microbiology of the food chain - Horizontal method for the enumeration of microorganisms - Part 1: Colony-count at 30 degrees C by the pour plate technique (ISO 4833-1:2013); German version EN ISO 4833-1:2013  | for enumeration of thermophilic microorganisms: incubation at 55°C   |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Flexible | DIN EN ISO 4833-1                                  | : 2022-05        | Microbiology of the food chain - Horizontal method for the enumeration of microorganisms - Part 1: Colony count at 30 °C by the pour plate technique (ISO 4833-1:2013 + Amd 1:2022); German version EN ISO 4833-1:2013 + A1:2022  |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | DIN EN ISO 4833-2                                  | : 2022-05        | Microbiology of the food chain - Horizontal method for the enumeration of microorganisms - Part 2: Colony count at 30 °C by the surface plating technique (ISO 4833-2:2013 + Cor. 1:2014 + Amd 1:2022); German version EN ISO 4833-2:2013 + AC:2014 + A1:2022                                     |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | DIN EN ISO 6888-1                                  | : 2022-06        | Microbiology of the food chain - Horizontal method for the enumeration of coagulase-positive staphylococci ( <i>Staphylococcus aureus</i> and other species) - Part 1: Method using Baird-Parker agar medium (ISO 6888-1:2021)  |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | DIN EN ISO 6888-3                                  | : 2005-07 (mod.) | Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of coagulase-positive staphylococci ( <i>Staphylococcus aureus</i> and other species) - Part 3: Detection and MPN technique for low numbers (ISO 6888-3:2003); German version EN ISO 6888-3:2003 + AC:2005 | confirmation of coagulase reaction with Baird Parker rabbit plasma fibrinogen agar                                 |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | DIN EN ISO 7937                                    | : 2004-11        | Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of <i>Clostridium perfringens</i> - Colony-count technique (ISO 7937:2004); German version EN ISO 7937:2004  |  |
| D-PL-14082-01-01 / 1.3.3        | Category 2        | Stock    | DIN EN ISO 13720                                   | : 2010-12        | Meat and meat products - Enumeration of presumptive <i>Pseudomonas</i> spp. (ISO 13720:2010); German version EN ISO 13720:2010  |  |

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| Partial certificate / chapter | Flexibility | Status   | Method   | Issue            | Title of the method   | Modification  |
|-------------------------------|-------------|----------|--|------------------|---|---|
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | DIN EN ISO 16649-3                                       | : 2018-01        | Microbiology of the food chain - Horizontal method for the enumeration of $\beta$ -glucuronidase positive Escherichia coli - Part 3: Detection and most probable number technique using 5-bromo-4-chloro-3-indolyl- $\beta$ -D-glucuronide (ISO 16649-3:2015, Corrected version 2016-12-15); German version EN ISO 16649-3:2015                             |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | DIN EN ISO 21528-2                                       | : 2019-05 (mod.) | Microbiology of the food chain - Horizontal method for the detection and enumeration of Enterobacteriaceae - Part 2: Colony-count technique   | confirmation of culture-typical colonies using MALDI-ToF  |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | DIN ISO 16649-2  | : 2020-12        | Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of $\beta$ -glucuronidase-positive Escherichia coli - Part 2: Colony-count technique at 44 °C using 5-bromo-4-chloro-3-indolyl $\beta$ -D-glucuronide (ISO 16649-2:2001)   |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | VDLUFA III, 28.1.2                                       | : 2012           | Process instruction for the identification of bacteria, yeasts, moulds and black fungus   |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | VDLUFA III, 28.1.3                                       | : 2012           | Procedural instructions for the identification of bacteria, yeasts, moulds and black sooty mould as product-typical or spoilage-indicating indicator germs  |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | VDLUFA VI, M 7.8.2                                       | : 1993           | Determination of enterococci; colony counting method with kanamycin-esculin-acid agar   |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | VDLUFA VI, M 7.12.2                                      | : 1993           | Determination of pseudomonads: Colony counting method with C-F-C selective agar   |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | VDLUFA VI, M 7.13  | : 1996           | Determination of thermophilic (thermoresistant) microorganisms  |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | VDLUFA VI, M 7.17.2                                      | : 1993 (mod.)    | Determination of spores of aerobic spore formers (Bacillus)   | extension to matrix food, using Plate Count Agar (PCA)  |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | VDLUFA VI, M 7.18.2.1                                    | : 1996 (mod.)    | Detection of anaerobic spore formers (Clostridium)  | extension to matrix food and feed additives   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | ICUMSA GS2/3-41  | : 2011 (mod.)    | The Determination of the Total Mesophilic Bacterial Count in Refined Sugar Products by the Pour Plate Method or the Membrane Filtration Method  | use of buffered peptone water for the initial dilution; analysis in the single preparation; increased counting limit per plate, no membrane filtration                                |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | ICUMSA GS2/3-47  | : 2015 (mod.)    | The Determination of Yeasts and Moulds in Refined Sugar Products by the Pour Plate Method or the Membrane Filter Method   | use of buffered peptone water for the initial dilution; analysis in the single preparation; increased counting limit per plate no membrane filtration, no low germ contents <10 CFU/g |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Flexible | Nordisk Metodikkomité for Livsmedel NMKL No. 44, 6.ed    | : 2004           | Coliform bacteria. Determination in foods and feeds   |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | Nordisk Metodikkomité for Livsmedel, NMKL No. 71, 5. Ed. | : 1999 (mod.)    | Salmonella. Detection in foods  | extension to matrix feed, confirmation using MALDI-ToF, extension to environmental controls   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | Nordisk Metodikkomité for Livsmedel, NMKL No. 86, 5. Ed. | : 2013 (mod.)    | Aerobic microorganisms. Determination in foods at 37°C, 30°C, 25°C, 20°C, 17/7°C or 6.5°C by the colony count method  | extension to matrix feed  |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Flexible | Nordisk Metodikkomité for Livsmedel NMKL No. 98, 4.ed    | : 2005           | Mould and yeasts. Determination in foods and feed   |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Flexible | Nordisk Metodikkomité for Livsmedel NMKL No. 144, 3.ed   | : 2005           | Enterobacteriaceae. Determination in foods and feeds.   |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | MP-00109-DE  | : 2023-01        | Enumeration of aerobic, mesophilic spore-formers and Bacillus spp. in feeding stuffs  |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Flexible | MP-01152-DE  | : 2023-08        | Cultural detection method for Cronobacter spp. and in particular Cronobacter sakazakii using and in particular Cronobacter sakazakii by means of RAPID/Sakazakii Agar® in food and environmental samples  |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  |          | corresponds to:  |                  |   |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  |          | BIO-RAD RAPID® Sakazakii®, BRD 07/22-05/12               | : 2020-04        | Cultural detection method of Cronobacter spp (validated alternativ method; reference method NF EN ISO 22964, 2017-06)   |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Flexible | MP-02380-DE  | : 2023-08        | Detection of Listeria spp. and L. monocytogenes and quantification of L. monocytogenes using RAPID® L.mono-Agar® in food and environmental samples  |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  |          | corresponds to:  |                  |   |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  |          | BIO-RAD RAPID® L.mono®, NordVal 022                      | : 2022-05        | Detection and enumeration of Listeria monocytogenes and the detection of Listeria spp. in foods and environmental samples (validated alternativ method; reference method EN ISO 11290-2:2017)   |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  |          | BIO-RAD RAPID® L.mono®, BRD 07/04-09/98                  | : 2019-09        | Detection of Listeria monocytogenes and other species of the genus Listeria in all human food products and industrial environmental samples (validated alternativ method; reference method NF EN ISO 11290-1:2017)  |   |
| D-PL-14082-01-01 / 1.3.3      | Category 2  | Stock    | MP-02642-DE  | : 2023-01        | Enumeration of Pseudomonas spp. and Aeromonas spp. in ready to eat meals, fishery products and environmental controls   |   |
| D-PL-14082-01-01 / 1.3.4      | Category 2  |          |  |                  | <b>Identification and typing of bacteria by MALDI-TOF in food and feed **</b>   |   |
| D-PL-14082-01-01 / 1.3.4      | Category 2  | Stock    | AOAC 2017.10   | : 2017           | Confirmation and identification of Listeria monocytogenes, Listeria species and other gram-positive organisms   |   |
| D-PL-14082-01-01 / 1.3.4      | Category 2  | Stock    | MP-01115-DE  | : 2023-01        | Identifizierung von Bakterien mittels MALDI-ToF   |   |
| D-PL-14082-01-01 / 1.3.5      | Category 3  |          |  |                  | <b>Detection of antimicrobial substances by microbiological test systems</b>  |   |
| D-PL-14082-01-01 / 1.3.5      | Category 3  | Stock    | DSM Food Specialities B. V. Delvotest® T 28/02-02/12     | : 2014-12        | Standard diffusion test for the detection of antibacterial substances in milk   |   |
| D-PL-14082-01-01 / 1.4        |             |          |  |                  | <b>Molecular biological analysis of food and feed</b>   |   |
| D-PL-14082-01-01 / 1.4.1      |             |          |  |                  | <b>Analysis of nucleic acids by real-time PCR</b>   |   |
| D-PL-14082-01-01 / 1.4.1.1    | Category 2  |          |  |                  | <b>Detection of bacteria by real-time PCR in food and feed **</b>   |   |
| D-PL-14082-01-01 / 1.4.1.1    | Category 2  | Stock    | DIN CEN ISO/TS 13136                                     | : 2013-04        | Microbiology of food and animal feed - Real-time polymerase chain reaction (PCR)-based method for the detection of food-borne pathogens - Horizontal method for the detection of Shiga toxin-producing Escherichia coli (STEC) and the determination of O157, O111, O26, O103 and O145 serogroups (ISO/TS 13136:2012); German version CEN ISO/TS 13136:2012 |   |
| D-PL-14082-01-01 / 1.4.1.1    | Category 2  | Stock    | ASU L 00.00-98   | : 2007-04 (mod.) | Analysis of foodstuffs - Qualitative detection of Salmonella in food - Real-time PCR method   | extension to matrix feed  |
| D-PL-14082-01-01 / 1.4.1.1    | Category 2  | Flexible | MP-00158-DE  | : 2023-08        | Detection of Clostridium estertheticum and Clostridium estertheticum-like bacteria in meat juice by real-time PCR   |   |
| D-PL-14082-01-01 / 1.4.1.1    | Category 2  | Flexible | MP-01236-DE  | : 2023-04        | Analysis of food and feed for the presence of Listeria monocytogenes by real-time PCR   |   |

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| Partial certificate / chapter     | Flexibility       | Status   | Method                       | Issue     | Title of the method  | Modification   |
|-----------------------------------|-------------------|----------|------------------------------|-----------|--|--|
| D-PL-14082-01-01 / 1.4.1.1        | Category 2        | Flexible | MP-01539-DE                  | : 2023-10 | Analysis of the presence of virulence genes and the multiplication ability of Shiga toxin-producing Escherichia coli (STEC/VTEC) in food by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.1        | Category 2        | Flexible | MP-01540-DE                  | : 2023-10 | Analysis of food and feed for the presence of various pathogenic bacteria by real-time PCR   |  |
| <b>D-PL-14082-01-01 / 1.4.1.2</b> | <b>Category 2</b> |          |                              |           | <b>Detection of animal species by real-time PCR in food and feed **</b>  |  |
| D-PL-14082-01-01 / 1.4.1.2        | Category 2        | Stock    | EURL-AP recommended protocol | : 2013-02 | Detection of horse DNA using real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.2        | Category 2        | Stock    | EURL-AP SOP                  | : 2021-05 | Detection of ruminant DNA in feed using real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.2        | Category 2        | Stock    | EURL-AP SOP                  | : 2021-09 | Detection of pig DNA in feed using real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.2        | Category 2        | Flexible | EURL-AP SOP                  | : 2022-07 | Detection of poultry DNA in feed using real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.2        | Category 2        | Flexible | MP-00160-DE                  | : 2023-08 | Analysis for the presence of specific DNA from cattle, pig, sheep and goat in food and feed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.2        | Category 2        | Flexible | MP-02523-DE                  | : 2023-08 | Detection of ostrich DNA in food and feed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.2        | Category 2        | Flexible | MP-02524-DE                  | : 2023-08 | Detection of pheasant DNA in food and feed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.2        | Category 2        | Flexible | MP-02594-DE                  | : 2023-08 | Detection of kangaroo DNA in food and feed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.2        | Category 2        | Stock    | MP-02679-DE                  | : 2022-06 | Detection of DNA of different fish species in food and feed by real-time PCR   |  |
| <b>D-PL-14082-01-01 / 1.4.1.3</b> | <b>Category 2</b> |          |                              |           | <b>Detection of allergens and plant species by real-time PCR in food and feed **</b>   |  |
| D-PL-14082-01-01 / 1.4.1.3        | Category 2        | Stock    | DIN EN 15634-2               | : 2019-12 | (mod.) Foodstuffs - Detection of food allergens by molecular biological methods - Part 2: Celery (Apium graveolens) - Detection of a specific DNA sequence in cooked sausages by real-time PCR; German version EN 15634-2:2019                       | DNA extraction is performed with the Maxwell RSC machine and the AS1600 kit. |
| D-PL-14082-01-01 / 1.4.1.3        | Category 2        | Stock    | MP-01541-DE                  | : 2023-03 | Analysis of food and environmental samples for the presence of celery DNA by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.3        | Category 2        | Stock    | MP-02378-DE                  | : 2022-03 | Determination of the soy content in feed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.3        | Category 2        | Stock    | MP-03136-DE                  | : 2022-06 | Detection of wasabi DNA in food by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.3        | Category 2        | Flexible | MP-03457-DE                  | : 2023-11 | Analysis of food and environmental samples for the presence of mustard DNA by real-time PCR  |  |
| <b>D-PL-14082-01-01 / 1.4.1.4</b> | <b>Category 2</b> |          |                              |           | <b>Determination of genetically modified plants by real-time PCR in food and feed **</b>   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | ASU G 30.40-17               | : 2017-10 | Detection of cauliflower mosaic virus DNA (ORF V) in plant material using real-time PCR - element-specific method  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | ASU L 15.06-3                | : 2013-08 | (mod.) Analysis of foodstuffs - detection of genetically modified cry1Ab / Ac and P-ubi - cry-DNA sequences in rice products using real-time PCR - Matrix according to scope also other food and feed element-specific and construct-specific method |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00212-DE                  | : 2022-12 | Quantification of Roundup Ready Soy (Event 40-3-2) in food and feed by quantitative real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00213-DE                  | : 2022-10 | Quantification of the rapeseed GMO event GT73/RT73 in food and feed by quantitative real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00214-DE                  | : 2022-12 | Quantification of A2704-12 soya in food and feed by quantitative real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00215-DE                  | : 2022-12 | Quantification of RR2Yield soy (Event MON89788) in food and feed by quantitative real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00216-DE                  | : 2022-11 | Quantification of rapeseed GMO event T45 in food and feed by quantitative real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00217-DE                  | : 2022-11 | Quantification of rapeseed GMO event Ms8 in food and feed by quantitative real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00218-DE                  | : 2022-10 | Quantification of the rapeseed GMO event Rf3 Food and Feed by quantitative real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00219-DE                  | : 2022-11 | Quantification of maize GMO event MON810 in food and feed by quantitative real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00220-DE                  | : 2022-11 | Quantification of the maize GMO event NK603 in livestock and animal feeds by quantitative real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00222-DE                  | : 2022-11 | Quantification of maize GMO event MON89034 in food and feed by quantitative real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00223-DE                  | : 2022-12 | Quantification of A5547-127 soya in food and feed by quantitative real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00250-DE                  | : 2023-01 | Detection of a genetically modified DNA sequence Cry1a(c)-T-NOS (Bt63 rice) in food and feed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00251-DE                  | : 2023-01 | Detection of a genetically modified inserted DNA sequence in food and feed using real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00881-DE                  | : 2022-12 | Quantification of MON87701 soy in food and feed by quantitative real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Stock    | MP-00934-DE                  | : 2022-11 | Quantification of maize GMO event TC1507 in food and feed by quantitative real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02418-DE                  | : 2022-05 | Quantifizierung des Soja GVO Events DAS-44406-6 in Lebens- und Futtermitteln sowie Saatgut mittels real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02430-DE                  | : 2022-05 | Quantification of the soybean GMO event FG72 in food, feed and seed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02431-DE                  | : 2022-06 | Quantification of the soybean GMO event MON87708 in food and feed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02522-DE                  | : 2022-09 | Quantification of the soybean GMO event DAS-68416-4 in food and feed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02527-DE                  | : 2022-10 | Quantification of the soybean GMO event MON87705 in food and feed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02528-DE                  | : 2022-09 | Quantification of the soybean GMO event DP-305423-1 in food and feed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02529-DE                  | : 2022-10 | Quantification of the soybean GMO event DP-356043-5 in food and feed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02590-DE                  | : 2023-01 | Quantification of the soybean GMO event CV127 in food and feed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02591-DE                  | : 2023-01 | Quantification of the soybean GMO event MON87769 in food and feed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02592-DE                  | : 2023-01 | Quantification of the soybean GMO event MON87751 in food and feed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02666-DE                  | : 2023-11 | Quantification of maize GMO event Bt11 in food, feed and seed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02667-DE                  | : 2023-06 | Quantification of the maize GMO event Mir162 in food and feed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02668-DE                  | : 2023-06 | Quantification of maize GMO event MON88017 in food and feed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02669-DE                  | : 2023-06 | Quantification of the maize GMO event DAS-40278 in food and feed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02757-DE                  | : 2023-06 | Quantification of maize GMO event 59122 in food, feed and seed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02758-DE                  | : 2023-08 | Quantification of maize GMO event GA21 in food and feed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02759-DE                  | : 2023-08 | Quantification of the maize GMO event MIR604 in food and feed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02760-DE                  | : 2023-08 | Quantification of maize GMO event MON87427 in food and feed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02794-DE                  | : 2023-11 | Quantification of the sugar beet GMO event H7-1 in food and feed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02795-DE                  | : 2023-11 | Quantification of the soybean GMO event SYHT0H2 in food and feed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02811-DE                  | : 2024-04 | Quantification of maize GMO event T25 in food and feed by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02861-DE                  | : 2023    | Screening of food and feed for Arabidopsis thaliana SSU promotor (pSSuAra) DNA sequences by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02862-DE                  | : 2023-11 | Screening of food and feed for pea E9 terminator (tE9) and pea DNA sequences by real-time PCR  |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02874-DE                  | : 2021-11 | Quantification of maize GMO event MON87460 in food, feed and seed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02875-DE                  | : 2021-11 | Quantification of maize GMO event 4114 in food, feed and seed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-02876-DE                  | : 2021-11 | Quantification of maize GMO event MON87411 in food, feed and seed by real-time PCR   |  |
| D-PL-14082-01-01 / 1.4.1.4        | Category 2        | Flexible | MP-03008-DE                  | : 2022-03 | Quantification of maize GMO event 5307 in food and feed as well as seed by real-time PCR   |  |

## List of all testing methods carried out within the scope of accreditation

**Flexibility legend**  
 Category 1 (\*) : incl. category 3 + free choice of standard or equivalent test methods  
 Category 2 (\*\*): incl. categories 3 and 1 + modification, development and refinement of testing methods  
 Category 3: use standards or equivalent testing methods listed with different issue dates  
 --- no flexibility

**Status legend**  
 Stock: same as on annex to accreditation; Flexible: other issue/modification than accreditation annex or *method only to find on this list within flexibility*

| Partial certificate / chapter | Flexibility | Status   | Method   | Issue            | Title of the method  | Modification  |
|-------------------------------|-------------|----------|--|------------------|--|---|
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Flexible | MP-03009-DE  | : 2024-04        | Quantification of the maize GMO event MON87403 in food and feed by real-time PCR   |   |
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Flexible | MP-03010-DE  | : 2024-04        | Quantification of the maize GMO event MZHGOJG in food and feed by real-time PCR  |   |
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Stock    | MP-03011-DE  | : 2022-09        | Quantification of the oilseed rape GMO event MON88302 in food and feed by real-time PCR  |   |
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Flexible | MP-03120-DE  | : 2022-07        | Quantification of the soybean GMO event DAS-81419-2 in food and feed by real-time PCR  |   |
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Flexible | MP-03121-DE  | : 2022-07        | Quantification of the corn GMO event MZIR098 in food and feed by real-time PCR   |   |
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Flexible | MP-03137-DE  | : 2022-09        | Quantification of the canola GMO event 73496 in food and feed by real-time PCR   |   |
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Flexible | MP-03138-DE  | : 2022-10        | Quantification of the soya GMO event GMB151 in food and feed by real-time PCR  |   |
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Flexible | MP-03302-DE  | : 2023-05        | Quantification of the maize GMO event 3272 in food and feed by real-time PCR   |   |
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Flexible | MP-03303-DE  | : 2023-05        | Quantification of the maize GMO event 98140 in food and feed by real-time PCR  |   |
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Flexible | MP-03304-DE  | : 2023-05        | Quantification of the maize GMO event VCO-1981-5 in food and feed by real-time PCR   |   |
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Flexible | MP-03425-DE  | : 2023-09        | Quantification of the maize GMO event MON87429 in food and feed by real-time PCR   |   |
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Flexible | MP-03426-DE  | : 2023-09        | Quantification of the maize GMO event MON95379 in food and feed by real-time PCR   |   |
| D-PL-14082-01-01 / 1.4.1.4    | Category 2  | Flexible | MP-03427-DE  | : 2023-09        | Quantification of the oilseed rape GMO event MON94100 in food and feed by real-time PCR  |   |
| D-PL-14082-01-01 / 1.4.2      |             |          |  |                  | <b>Analysis of nucleic acids by multiplex real-time PCR</b>  |   |
| D-PL-14082-01-01 / 1.4.2.1    | Category 2  |          |  |                  | <b>Detection of animal species by multiplex real-time PCR in food and feed **</b>  |   |
| D-PL-14082-01-01 / 1.4.2.1    | Category 2  | Flexible | MP-02432-DE  | : 2023-08        | Detection of hare and rabbit DNA in food and feed by duplex real-time PCR  |   |
| D-PL-14082-01-01 / 1.4.2.1    | Category 2  | Flexible | MP-02619-DE  | : 2023-08        | Detection of red deer, roe deer and fallow deer DNA in food and feed using triplex real-time PCR   |   |
| D-PL-14082-01-01 / 1.4.2.1    | Category 2  | Flexible | MP-02767-DE  | : 2023-08        | Detection of DNA from chicken, turkey, duck and goose in food and feed by multiplex real-time PCR  |   |
| D-PL-14082-01-01 / 1.4.2.2    | Category 2  | Stock    | ASU L 00.00-122  | : 2008-06 (mod.) | Analysis of foodstuffs - Detection of a specific DNA sequence from the cauliflower mosaic virus (CaMV 35S promoter, P35S) and from Agrobacterium tumefaciens (T-nos) in food - screening process                             | here also feed; qualitative detection, triplex real-time PCR with a PFMV system |
| D-PL-14082-01-01 / 1.4.2.2    | Category 2  | Stock    | ASU L 00.00-148  | : 2014-02 (mod.) | Analysis of foodstuffs - Detection of a DNA sequence of the FMV promoter (pFMV) in food using real-time PCR - element-specific method  | here also feed; triplex real-time PCR with a P35S and T-nos system              |
| D-PL-14082-01-01 / 1.4.2.2    | Category 2  | Stock    | ASU L 00.00-154:2014-08, Berichtigung  | : 2015-06 (mod.) | Analysis of foodstuffs - Detection of CTP2-CP4-EPSPS, pat and bar sequences in food using triplex real-time PCR - construct-specific and element-specific method   | also matrix feed  |
| D-PL-14082-01-01 / 1.4.2.2    | Category 2  | Stock    | MP-02665-DE  | : 2023-01        | Screening for genetically modified soy lines without markers (MON87708, MON87769, DP-305423, CV127) in food and feed by multiplex real-time PCR  |   |
| D-PL-14082-01-01 / 1.4.3      | ---         |          |  |                  | <b>Detection of plant variety by gel electrophoresis</b>   |   |
| D-PL-14082-01-01 / 1.4.3      | ---         | Stock    | MP-01207-DE  | : 2022-03        | Determination of varietal identity of potatoes   |   |
| D-PL-14082-01-01 / 1.4.4      | Category 2  |          |  |                  | <b>Detection of animal species by DNA sequencing in food**</b>   |   |
| D-PL-14082-01-01 / 1.4.4      | Category 2  | Stock    | ASU L 10.00-12   | : 2021-07        | Analysis of foodstuffs - DNA barcoding for fish species identification in fish and fish products using defined mitochondrial cytochrome b and cytochrome c oxidase I gene segments (adoption of DIN CEN/TS 17303, June 2019) |   |
| D-PL-14082-01-01 / 1.4.4      | Category 2  | Stock    | MP-01617-DE  | : 2022-11        | Determination of fish and tuna species by DNA sequence determination   |   |
| D-PL-14082-01-01 / 1.4.4      | Category 2  | Flexible | MP-03298-DE  | : 2023-04        | Identification of the crustacean species via DNA sequence determination in food and feed raw materials   |   |
| D-PL-14082-01-01 / 1.5        |             |          |  |                  | <b>Immunological analysis of food and feed</b>   |   |
| D-PL-14082-01-01 / 1.5.1      | Category 1  | Flexible | NEOGEN Veratox® for Aflatoxin M1   | : 2016-03        | <b>Determination of mycotoxins by enzyme immunoassay (ELISA) in food and feed *</b><br>Quantitative Determination of Aflatoxin M1 in milk and dairy products   |   |
| D-PL-14082-01-01 / 1.5.1      | Category 1  | Stock    | NEOGEN Veratox® HS Quantitative Aflatoxin High Sensitivity Test V-AflaHS-ENSP_1208 | : 2017-11        | Quantitative Determination of Aflatoxins   |   |
| D-PL-14082-01-01 / 1.5.1      | Category 1  | Stock    | NEOGEN Veratox® for DON 5/5 V-DON_5/5_NE_0508                                      | : 2019-07        | Quantitative Determination of Deoxynivalenol   |   |
| D-PL-14082-01-01 / 1.5.1      | Category 1  | Stock    | NEOGEN Veratox® for Ochratoxin V-Ochra-ES_1214                                     | : 2017-11        | Quantitative Determination of Ochratoxine  |   |
| D-PL-14082-01-01 / 1.5.1      | Category 1  | Stock    | NEOGEN Veratox® for Zearalenone V-Zear_ES_0115                                     | : 2017-11        | Quantitative Determination of Zearalenone  |   |
| D-PL-14082-01-01 / 1.5.2      | Category 1  |          |  |                  | <b>Determination of allergens by enzyme immunoassay (ELISA) in food and feed *</b>   |   |
| D-PL-14082-01-01 / 1.5.2      | Category 1  | Stock    | AgraQuant® Plus Macadamia nut Ref.-Nr. 10002053                                    | : 2019-08        | Enzyme immunoassay for quantitative determination of Macadamia nut   |   |
| D-PL-14082-01-01 / 1.5.2      | Category 1  | Stock    | AgraQuant® Plus Pistachio  | : 2019-08        | Enzyme immunoassay for quantitative determination of Pistachio   |   |
| D-PL-14082-01-01 / 1.5.2      | Category 1  | Stock    | AgraQuant® Walnut Ref.-Nr. 10002088  | : 2019-06        | Enzyme immunoassay for quantitative determination of Walnut  |   |
| D-PL-14082-01-01 / 1.5.2      | Category 1  | Flexible | Demeditec Brazil nut ELISA Ref. Nr. DEPARE01                                       | : 2023-09        | Enzyme immunoassay for the quantitative determination of Brazil nut in food  |   |
| D-PL-14082-01-01 / 1.5.2      | Category 1  | Flexible | Demeditec Pecan nut ELISA Ref. Nr. DEPECE01  | : 2023-06        | Enzyme immunoassay for the quantitative determination of Pecan nut in food   |   |
| D-PL-14082-01-01 / 1.5.2      | Category 1  | Stock    | NEOGEN Veratox® for Gliadin R5 V-Gliadin_R5_0114_ENSP                              | : 2018-11        | Quantitative determination of gliadin/gluten   |   |
| D-PL-14082-01-01 / 1.5.2      | Category 1  | Stock    | r-biopharm RIDASCREEN® FAST β-Lactoglobulin Ref. Nr. R4912                         | : 2018-04        | Quantitative determination of β-lactoglobulin  |   |

## List of all testing methods carried out within the scope of accreditation

|                           |   |  |
|---------------------------|---|--|
| <b>Flexibility legend</b> | Category 1 (*) :  | incl. category 3 + free choice of standard or equivalent test methods                  |
|                           | Category 2 (**) :   | incl. categories 3 and 1 + modification, development and refinement of testing methods |
|                           | Category 3:   | use standards or equivalent testing methods listed with different issue dates          |
|                           | ---   | no flexibility   |
| <b>Status legend</b>      | Stock: same as on annex to accreditation; Flexible: other issue/modification than accreditation annex or <i>method only to find on this list within flexibility</i> |  |

| Partial certificate / chapter   | Flexibility       | Status   | Method  | Issue     | Title of the method  | Modification   |
|---------------------------------|-------------------|----------|---|-----------|--|--|
| D-PL-14082-01-01 / 1.5.2        | Category 1        | Flexible | r-biopharm RIDASCREEN® FAST Casein Ref. Nr. R4612         | : 2022-05 | Enzyme immunoassay for the quantitative determination of casein  |  |
| D-PL-14082-01-01 / 1.5.2        | Category 1        | Stock    | r-biopharm RIDASCREEN® FAST Crustacean Ref. Nr. R7312     | : 2018-04 | Quantitative determination of crustaceans  |  |
| D-PL-14082-01-01 / 1.5.2        | Category 1        | Flexible | r-biopharm RIDASCREEN® FAST Ei/Egg Protein Ref. Nr. R6402 | : 2022-05 | Enzyme immunoassay for the quantitative determination of whole egg (-powder)   |  |
| D-PL-14082-01-01 / 1.5.2        | Category 1        | Stock    | r-biopharm RIDASCREEN® FAST Hazelnut Ref. Nr. R6802       | : 2021-03 | Enzyme immunoassay for the quantitative determination of Hazelnut  |  |
| D-PL-14082-01-01 / 1.5.2        | Category 1        | Stock    | r-biopharm RIDASCREEN® FAST Lupine Ref. Nr. R6102         | : 2018-04 | Quantitative determination of sweet lupin proteins   |  |
| D-PL-14082-01-01 / 1.5.2        | Category 1        | Stock    | r-biopharm RIDASCREEN® FAST Mandel/Almond Ref. Nr. R6901  | : 2019-04 | Enzyme immunoassay for the quantitative determination of almond  |  |
| D-PL-14082-01-01 / 1.5.2        | Category 1        | Stock    | r-biopharm RIDASCREEN® FAST Milk Ref. Nr. R4652           | : 2021-11 | Enzyme immunoassay for the quantitative determination of milk protein  |  |
| D-PL-14082-01-01 / 1.5.2        | Category 1        | Stock    | r-biopharm RIDASCREEN® Peanut Ref. Nr. R6811              | : 2021-12 | Enzyme immunoassay for the quantitative determination of peanut or peanut proteins   |  |
| D-PL-14082-01-01 / 1.5.2        | Category 1        | Stock    | r-biopharm RIDASCREEN® FAST Senf/Mustard Ref. Nr. R6152   | : 2018-04 | Quantitative Bestimmung von Senf   |  |
| D-PL-14082-01-01 / 1.5.2        | Category 1        | Stock    | r-biopharm RIDASCREEN® FAST Sesame Ref. Nr. R7202         | : 2018-04 | Quantitative determination of sesame or sesame content   |  |
| D-PL-14082-01-01 / 1.5.2        | Category 1        | Stock    | r-biopharm RIDASCREEN® FAST Soya Ref. Nr. R7102           | : 2018-04 | Quantitative determination of soy proteins   |  |
| <b>D-PL-14082-01-01 / 1.5.3</b> | <b>Category 1</b> |          |   |           | <b>Determination of residues of pharmacological substances and hormones by enzyme immunoassay (ELISA) in milk and milk powder *</b>  |  |
| D-PL-14082-01-01 / 1.5.3        | Category 1        | Stock    | Randox Beta-Agonist ELISA Ref-Nr. SU 2148                 | : 2016-05 | Quantitative Determination of β-Agonists   |  |
| D-PL-14082-01-01 / 1.5.3        | Category 1        | Stock    | r-biopharm RIDASCREEN® Chloramphenicol Ref-Nr. R1511      | : 2021-02 | Enzyme immunoassay for the quantitative determination of chloramphenicol   |  |
| D-PL-14082-01-01 / 1.5.3        | Category 1        | Stock    | r-biopharm RIDASCREEN® Streptomycin Ref-Nr. R3104         | : 2018-07 | Quantitative determination of streptomycin   |  |
| D-PL-14082-01-01 / 1.5.3        | Category 1        | Flexible | r-biopharm RIDASCREEN® Tetracyclin Ref-Nr. R3505          | : 2021-12 | Quantitative determination of tetracycline   |  |
| <b>D-PL-14082-01-01 / 1.5.4</b> | <b>Category 3</b> |          |   |           | <b>Identification and typing of bacteria by agglutination</b>  |  |
| D-PL-14082-01-01 / 1.5.4        | Category 3        | Stock    | ISO/TR 6579-3   | : 2014-07 | Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of Salmonella - Part 3: Guidelines for serotyping of Salmonella spp.  |  |
| <b>D-PL-14082-01-01 / 2</b>     |                   |          |   |           | <b>Analysis of surrounding samples, fitment and utensils in food and feed areas</b>  |  |
| <b>D-PL-14082-01-01 / 2.1</b>   | <b>Category 2</b> |          |   |           | <b>Qualitative and quantitative detection of bacteria, yeasts and moulds by cultural microbiological methods in surrounding samples, fitment and utensils in food and feed areas **</b>  |  |
| D-PL-14082-01-01 / 2.1          | Category 2        | Flexible | BIO-RAD RAPID® Enterobacteriaceae®, BRD 07/24-11/13       | : 2021-10 | Enumeration of Enterobacteriaceae in all human food, feed and environmental samples (validated alternativ method; reference method NF EN ISO 21528-2:2017)   |  |
| D-PL-14082-01-01 / 2.1          | Category 2        | Stock    | ISO 6579-1  | : 2017-02 | Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of Salmonella - Part 1: Detection of Salmonella spp.  |  |
| D-PL-14082-01-01 / 2.1          | Category 2        | Flexible | ISO 10272-2   | : 2017-06 | Microbiology of the food chain - Horizontal method for detection and enumeration of Campylobacter spp. - Part 2: Colony-count technique  |  |
| D-PL-14082-01-01 / 2.1          | Category 2        | Stock    | ISO 21527-1   | : 2008-07 | Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds - Part 1: Colony count technique in products with water activity greater than 0,95   |  |
| D-PL-14082-01-01 / 2.1          | Category 2        | Stock    | ISO 21527-2   | : 2008-07 | Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds - Part 2: Colony count technique in products with water activity less than or equal to 0,95  |  |
| D-PL-14082-01-01 / 2.1          | Category 2        | Stock    | ISO 21528-1   | : 2017-06 | (mod.) Microbiology of the food chain - Horizontal method for the detection and enumeration of Enterobacteriaceae - Part 1: Detection of Enterobacteriaceae  | extension to surfaces by swabbing  |
| D-PL-14082-01-01 / 2.1          | Category 2        | Flexible | DIN EN ISO 4833-1   | : 2022-05 | Microbiology of the food chain - Horizontal method for the enumeration of microorganisms - Part 1: Colony-count at 30 degrees C by the pour plate technique (ISO 4833-1:2013); German version EN ISO 4833-1:2013   |  |
| D-PL-14082-01-01 / 2.1          | Category 2        | Stock    | DIN EN ISO 6888-1   | : 2022-06 | Microbiology of the food chain - Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) - Part 1: Method using Baird-Parker agar medium (ISO 6888-1:2021)   |  |
| D-PL-14082-01-01 / 2.1          | Category 2        | Flexible | DIN EN ISO 6888-3   | : 2005-07 | (mod.) Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) - Part 3: Detection and MPN technique for low numbers (ISO 6888-3:2003); German version EN ISO 6888-3:2003 + AC:2005 | Confirmation of coagulase reaction with Baird Parker rabbit plasma fibrinogen agar |
| D-PL-14082-01-01 / 2.1          | Category 2        | Stock    | DIN EN ISO 21528-2  | : 2019-05 | (mod.) Microbiology of the food chain - Horizontal method for the detection and enumeration of Enterobacteriaceae - Part 2: Colony-count technique   | Confirmation of culture-typical colonies by MALDI-ToF                              |
| D-PL-14082-01-01 / 2.1          | Category 2        | Flexible | DIN ISO 16649-2   | : 2020-12 | (mod.) Mikrobiologie von Lebensmitteln und Futtermitteln - Horizontales Verfahren für die Zählung von β-Glucuronidase-positiven Escherichia coli - Teil 2: Koloniezählverfahren bei 44 °C mit 5-Brom-4-Chlor-3-Indol-β-D-Glucuronid  | matrix extension to surrounding samples  |

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 - - - no flexibility

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| Partial certificate / chapter | Flexibility       | Status   | Method  | Issue            | Title of the method   | Modification   |
|-------------------------------|-------------------|----------|---|------------------|---|--|
| D-PL-14082-01-01 / 2.1        | Category 2        | Stock    | Nordisk Metodikkommitté för Lysmedel NMKL No. 71, 5. Ed.                        | : 1999 (mod.)    | Salmonella. Detection in foods.   | also surrounding samples, fitment and utensils in food and feed areas, confirmation by MALDI-TOF |
| D-PL-14082-01-01 / 2.1        | Category 2        | Flexible | MP-00087-DE   | : 2021-01        | Determination of the surface microbial content with the provided swab systems (Paddle and Rodac)  |  |
| D-PL-14082-01-01 / 2.1        | Category 2        | Flexible | MP-02380-DE   | : 2022-07        | Detection of Listeria spp. and L. monocytogenes and quantification of L. monocytogenes using RAPID <sup>®</sup> L-mono-Agar <sup>®</sup> in food and environmental samples  |  |
|                               |                   |          | corresponds to:<br>BIO-RAD RAPID <sup>®</sup> L.mono <sup>®</sup> , NordVal 022 | : 2022-05        | Detection and enumeration of Listeria monocytogenes and the detection of Listeria spp. in foods and environmental samples (validated alternativ method; reference method EN ISO 11290-2:2017)                     |  |
|                               |                   |          | BIO-RAD RAPID <sup>®</sup> L.mono <sup>®</sup> ; BRD 07/04-09/98                | : 2019-09        | Detection of Listeria monocytogenes an other species of the genus Listeria in all human food products and industrial environmental samples (validated alternativ method; reference method NF EN ISO 11290-1:2017) |  |
| D-PL-14082-01-01 / 2.1        | Category 2        | Stock    | MP-02642-DE   | : 2023-01        | Counting of Pseudomonas spp. and Aeromonas spp. in ready to eat meals, fishery products and environmental controls  |  |
| <b>D-PL-14082-01-01 / 2.2</b> | <b>Category 3</b> |          |   |                  | <b>Detection of Salmonella by real-time PCR</b>   |  |
| D-PL-14082-01-01 / 2.2        | Category 3        | Stock    | ASU L 00.00-98  | : 2007-04 (mod.) | Analysis of foodstuffs - Qualitative detection of Salmonella in food - Real-time PCR method   | also surrounding samples, fitment and utensils in food and feed areas                            |
| <b>D-PL-14082-01-01 / 2.3</b> | <b>Category 2</b> |          |   |                  | <b>Identification and typing of bacteria by MALDI-TOF in surrounding samples, fitment and utensils in food and feed areas **</b>  |  |
| D-PL-14082-01-01 / 2.3        | Category 2        | Stock    | AOAC 2017.10  | : 2017           | Confirmation and identification of Listeria monocytogenes, Listeria species and other gram-positive organisms   |  |
| D-PL-14082-01-01 / 2.3        | Category 2        | Stock    | MP-01115-DE   | : 2023-01        | Identification of bacteria using MALDI-ToF (here: Gram-negative bacteria)   |  |
| <b>D-PL-14082-01-01 / 2.4</b> | <b>Category 3</b> |          |   |                  | <b>Identification and typing of bacteria by agglutination</b>   |  |
| D-PL-14082-01-01 / 2.4        | Category 3        | Stock    | ISO/TR 6579-3   | : 2014-07        | Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of Salmonella - Part 3: Guidelines for serotyping of Salmonella spp.   |  |
| <b>D-PL-14082-01-01 / 2.5</b> | <b>Category 1</b> |          |   |                  | <b>Detection of allergens by enzyme immunoassay (ELISA) in surrounding samples, fitment and utensils in food and feed areas *</b>   |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Flexible | AgraQuant <sup>®</sup> Plus Macadamia nut Ref.-Nr. 10002053                     | : 2019-08        | Enzyme immunoassay for quantitative determination of Macadamia nut  |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Flexible | AgraQuant <sup>®</sup> Plus Pistachio Ref.-Nr. 10002088                         | : 2019-08        | Enzyme immunoassay for quantitative determination of Pistachio  |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Stock    | AgraQuant <sup>®</sup> Walnut Ref.-Nr. 10002030                                 | : 2019-06        | Enzyme immunoassay for quantitative determination of Walnut   |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Flexible | Demitec Brazil nut ELISA Ref. Nr. DEPARE01                                      | : 2023-09        | Enzyme immunoassay for the quantitative determination of Brazil nut in food   |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Flexible | Demitec Pecan nut ELISA Ref. Nr. DEPECE01                                       | : 2023-06        | Enzyme immunoassay for the quantitative determination of Pecan nut in food  |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Stock    | NEOGEN Veratox <sup>®</sup> for Gliadin R5 V-Gliadin_R5_0114_ENSP               | : 2018-11        | Quantitative determination of gliadin/gluten  |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Stock    | r-biopharm RIDASCREEN <sup>®</sup> FAST β-Lactoglobulin Ref. Nr. R4912          | : 2018-04        | Quantitative determination of β-lactoglobulin   |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Flexible | r-biopharm RIDASCREEN <sup>®</sup> FAST Casein Ref. Nr. R4612                   | : 2022-05        | Enzyme immunoassay for the quantitative determination of casein   |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Stock    | r-biopharm RIDASCREEN <sup>®</sup> FAST Crustacean Ref. Nr. R7312               | : 2018-04        | Quantitative determination of crustaceans   |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Flexible | r-biopharm RIDASCREEN <sup>®</sup> FAST Ei/Egg Protein Ref. Nr. R6402           | : 2022-05        | Enzyme immunoassay for the quantitative determination of whole egg (-powder)  |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Stock    | r-biopharm RIDASCREEN <sup>®</sup> FAST Hazelnut Ref. Nr. R6802                 | : 2021-03        | Enzyme immunoassay for the quantitative determination of Hazelnut   |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Stock    | r-biopharm RIDASCREEN <sup>®</sup> FAST Lupine Ref. Nr. R6102                   | : 2018-04        | Quantitative determination of sweet lupin proteins  |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Stock    | r-biopharm RIDASCREEN <sup>®</sup> FAST Mandel/Almond Ref. Nr. R6901            | : 2019-04        | Enzyme immunoassay for the quantitative determination of almond   |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Stock    | r-biopharm RIDASCREEN <sup>®</sup> FAST Milk Ref. Nr. R4652                     | : 2021-11        | Enzyme immunoassay for the quantitative determination of milk protein   |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Stock    | r-biopharm RIDASCREEN <sup>®</sup> Peanut Ref. Nr. R6811                        | : 2021-12        | Enzyme immunoassay for the quantitative determination of peanut or peanut proteins  |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Stock    | r-biopharm RIDASCREEN <sup>®</sup> FAST Senf/Mustard Ref. Nr. R6152             | : 2018-04        | Quantitative Bestimmung von Senf  |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Stock    | r-biopharm RIDASCREEN <sup>®</sup> FAST Sesame Ref. Nr. R7202                   | : 2018-04        | Quantitative determination of sesame or sesame content  |  |
| D-PL-14082-01-01 / 2.5        | Category 1        | Stock    | r-biopharm RIDASCREEN <sup>®</sup> FAST Soya Ref. Nr. R7102                     | : 2018-04        | Quantitative determination of soy proteins  |  |

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| Partial certificate / chapter | Flexibility | Status | Method      | Issue     | Title of the method   | Modification |
|-------------------------------|-------------|--------|-------------|-----------|---|--------------|
| D-PL-14082-01-01 / 2.6        | ---         |        |             |           | <b>Detection of allergens by real-Time PCR</b>  |              |
| D-PL-14082-01-01 / 2.6        | ---         | Stock  | MP-01541-DE | : 2023-03 | Analysis of food and surface samples for the presence of a specific DNA sequence from celery by real-time PCR |              |

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| Partial certificate / chapter  | Flexibility | Status   | Method                        | Issue            | Title of the method   | Modification  |
|--|-------------|----------|-------------------------------|------------------|---|---|
| <b>D-PL-14082-01-02</b>  |             |          |                               |                  |   |   |
| <b>Physical, physico-chemical and chemical analysis of fertilisers</b>   |             |          |                               |                  |   |   |
| <b>D-PL-14082-01-02 / 1</b>  |             |          |                               |                  |   |   |
| <b>Analysis of fertilisers</b>   |             |          |                               |                  |   |   |
| <b>D-PL-14082-01-02 / 1.1</b>  |             |          |                               |                  |   |   |
| <b>Category 1</b>  |             |          |                               |                  |   |   |
| D-PL-14082-01-02 / 1.1   | Category 1  | Stock    | VO(EG) 2003/2003, IV, 3.1.1   | : 2003-10        | Sample preparation by extraction for physico-chemical analysis in fertilisers *   |   |
| D-PL-14082-01-02 / 1.1   | Category 1  | Stock    | VO(EG) 2003/2003, IV, 3.1.2   | : 2003-10        | Extraction of phosphorus soluble in mineral acids   |   |
| D-PL-14082-01-02 / 1.1   | Category 1  | Stock    | VO(EG) 2003/2003, IV, 3.1.3   | : 2003-10        | Extraction of phosphorus soluble in 2% formic acid  |   |
| D-PL-14082-01-02 / 1.1   | Category 1  | Stock    | VO(EG) 2003/2003, IV, 3.1.4   | : 2003-10        | Extraction of phosphorus soluble in 2% citric acid  |   |
| D-PL-14082-01-02 / 1.1   | Category 1  | Stock    | VO(EG) 2003/2003, IV, 3.1.5   | : 2003-10        | Extraction of phosphorus soluble in neutral ammonium citrate  |   |
| D-PL-14082-01-02 / 1.1   | Category 1  | Stock    | VO(EG) 2003/2003, IV, 3.1.5.2 | : 2003-10        | Extraction of phosphorus soluble at room temperature to Petermann   |   |
| D-PL-14082-01-02 / 1.1   | Category 1  | Stock    | VO(EG) 2003/2003, IV, 3.1.6   | : 2003-10        | Extraction of water-soluble phosphorus  |   |
| D-PL-14082-01-02 / 1.1   | Category 1  | Stock    | VO(EG) 2003/2003, IV, 8.3     | : 2003-10        | Extraction of water-soluble calcium, magnesium and sodium and sulphur (in the form of sulphate)   |   |
| D-PL-14082-01-02 / 1.1   | Category 1  | Stock    | VDLUF A II.1, 9.5.1           | : 2004           | Digestion with aqua regia   |   |
| <b>D-PL-14082-01-02 / 1.2</b>  |             |          |                               |                  |   |   |
| <b>Determination of physico-chemical parameters, nitrogen, elements und anorganic-chemical parameters in fertilisers</b> |             |          |                               |                  |   |   |
| <b>D-PL-14082-01-02 / 1.2.1</b>  |             |          |                               |                  |   |   |
| <b>Category 1</b>  |             |          |                               |                  |   |   |
| D-PL-14082-01-02 / 1.2.1   | Category 1  | Stock    | DIN EN 12880                  | : 2001-02 (mod.) | Determination of physico-chemical parameters and anorganic-chemical parameters by gravimetry in fertilisers *   |   |
| D-PL-14082-01-02 / 1.2.1   | Category 1  | Flexible | VDLUF A II.1, 3.4.1           | : 1995           | Characterization of sludges - Determination of dry residue and water content; German version EN 12880:2000  | here matrix fertiliser                                |
| D-PL-14082-01-02 / 1.2.1   | Category 1  | Stock    | VDLUF A II.1, 10.1            | : 1999           | Determination of nitrate-nitrogen   |   |
| D-PL-14082-01-02 / 1.2.1   | Category 1  | Stock    | VDLUF A II.1, 10.1            | : 1999           | Determination of loss on ignition   |   |
| D-PL-14082-01-02 / 1.2.1   | Category 1  | Stock    | VO(EG) 2003/2003, IV, 3.2     | : 2003-10        | Determination of phosphorus in extracts (gravimetrically as quinolinium molybdatophosphate)   |   |
| D-PL-14082-01-02 / 1.2.1   | Category 1  | Stock    | VO(EG) 2003/2003, IV, 4.1     | : 2003-10        | Determination of water-soluble potassium  |   |
| <b>D-PL-14082-01-02 / 1.2.2</b>  |             |          |                               |                  |   |   |
| <b>Category 1</b>  |             |          |                               |                  |   |   |
| D-PL-14082-01-02 / 1.2.2   | Category 1  | Stock    | VDLUF A II.1, 3.5.2.4         | : 1995           | Determination of physico-chemical parameters and anorganic-chemical parameters by titrimetry in fertilisers *   |   |
| D-PL-14082-01-02 / 1.2.2   | Category 1  | Stock    | VDLUF A II.1, 6.3.1           | : 2008           | Determination of total nitrogen in the presence of nitrate nitrogen, reduction of the nitrate content with chromium powder  |   |
| D-PL-14082-01-02 / 1.2.2   | Category 1  | Stock    | VDLUF A II.1, 6.3.2           | : 2008           | Determination of alkaline agents in lime fertilisers  |   |
| D-PL-14082-01-02 / 1.2.2   | Category 1  | Stock    | VDLUF A II.1, 6.4             | : 1995           | Determination of alkaline agents in slag lime, converter lime, residual lime and secondary raw material fertilisers   |   |
| D-PL-14082-01-02 / 1.2.2   | Category 1  | Stock    | VDLUF A II.1, 6.4             | : 1995           | Determination of the reactivity of carbonated agricultural limes  |   |
| D-PL-14082-01-02 / 1.2.2   | Category 1  | Stock    | VO(EG) 2003/2003, IV, 2.1     | : 2003-10        | Determination of ammonium nitrogen  |   |
| D-PL-14082-01-02 / 1.2.2   | Category 1  | Stock    | VO(EG) 2003/2003, IV, 2.3.2   | : 2003-10        | Determination of total nitrogen in nitrate-containing calcium cyanamide   |   |
| <b>D-PL-14082-01-02 / 1.2.3</b>  |             |          |                               |                  |   |   |
| <b>Category 3</b>  |             |          |                               |                  |   |   |
| D-PL-14082-01-02 / 1.2.3   | Category 3  | Stock    | DIN EN 12176 (withdrawn)      | : 1998-06 (mod.) | Determination of physico-chemical parameters by electrode measurement   |   |
|  |             |          |                               |                  | Characterisation of sludge - Determination of pH value  | here matrix fertiliser                                |
| <b>D-PL-14082-01-02 / 1.2.4</b>  |             |          |                               |                  |   |   |
| <b>Category 1</b>  |             |          |                               |                  |   |   |
| D-PL-14082-01-02 / 1.2.4   | Category 1  | Stock    | VDLUF A II.1, 6.5.1           | : 2008           | Determination of physico-chemical parameters by sieve analysis in fertilisers *   |   |
| D-PL-14082-01-02 / 1.2.4   | Category 1  | Stock    | VDLUF A II.1, 6.5.2           | : 1995           | Determination of the through fraction of fertilisers, dry method  |   |
| D-PL-14082-01-02 / 1.2.4   | Category 1  | Stock    | VDLUF A II.1, 6.5.2           | : 1995           | Determination of the through fraction of moist or agglutinated fertilisers, wet method  |   |
| <b>D-PL-14082-01-02 / 1.2.5</b>  |             |          |                               |                  |   |   |
| <b>Category 3</b>  |             |          |                               |                  |   |   |
| D-PL-14082-01-02 / 1.2.5   | Category 3  | Stock    | DIN EN ISO 11885              | : 2009-09 (mod.) | Determination of elements by inductively coupled plasma optical emission spectrometry (ICP-OES)   |   |
|  |             |          |                               |                  | Water quality - Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES) (ISO 11885:2007); German version EN ISO 11885:2009   | determination in matrix specific extraction solutions |
| <b>D-PL-14082-01-02 / 1.2.6</b>  |             |          |                               |                  |   |   |
| <b>Category 3</b>  |             |          |                               |                  |   |   |
| D-PL-14082-01-02 / 1.2.6   | Category 3  | Stock    | DIN EN ISO 17294-2            | : 2017-01 (mod.) | Determination of elements by inductively coupled plasma mass spectrometry (ICP-MS)  |   |
|  |             |          |                               |                  | Water quality - Application of inductively coupled plasma mass spectrometry (ICP-MS) - Part 2: Determination of selected elements including uranium isotopes (ISO 17294-2:2016); German version EN ISO 17294-2:2016 | determination in matrix-specific extraction solutions |
| <b>D-PL-14082-01-02 / 1.2.7</b>  |             |          |                               |                  |   |   |
| <b>Category 3</b>  |             |          |                               |                  |   |   |
| D-PL-14082-01-02 / 1.2.7   | Category 3  | Stock    | DIN EN 16320                  | : 2017-05        | Determination of elements by atomic absorption spectrometry (KD-AAS)  |   |
|  |             |          |                               |                  | Fertilizers and liming materials - Determination of mercury by vapour generation (VG) after aqua regia dissolution; German version EN 16320:2013+A1:2017  |   |
| <b>D-PL-14082-01-02 / 1.2.8</b>  |             |          |                               |                  |   |   |
| <b>Category 3</b>  |             |          |                               |                  |   |   |
| D-PL-14082-01-02 / 1.2.8   | Category 3  | Stock    | VDLUF A II.1, 3.5.2.7         | : 2019           | Determination of nitrogen by combustion   |   |
|  |             |          |                               |                  | Determination of total nitrogen - combustion method   |   |
| <b>D-PL-14082-01-02 / 1.2.9</b>  |             |          |                               |                  |   |   |
| <b>Category 3</b>  |             |          |                               |                  |   |   |
| D-PL-14082-01-02 / 1.2.9   | Category 3  | Stock    | VDLUF A II.1, 3.8.4           | : 1995           | Determination of nitrogen by photometry   |   |
|  |             |          |                               |                  | Determination of urea nitrogen - photometric method with 4-(dimethylamino)-benzaldehyde   |   |

## List of all testing methods carried out within the scope of accreditation

**Flexibility legend**  
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 Category 2 (\*\*): incl. categories 3 and 1 + modification, development and refinement of testing methods  
 Category 3: use standards or equivalent testing methods listed with different issue dates  
 --- no flexibility

**Status legend**  
 Stock: same as on annex to accreditation; Flexible: other issue/modification than accreditation annex or *method only to find on this list within flexibility*

| Partial certificate / chapter | Flexibility       | Status | Method              | Issue            | Title of the method  | Modification                        |
|-------------------------------|-------------------|--------|---------------------|------------------|--|-------------------------------------|
| <b>D-PL-14082-01-03</b>       |                   |        |                     |                  | <b>Measurements of radioactivity and of individual nuclides in food, feed, plant, fertilisers, water, waste and soil</b>   |                                     |
| <b>D-PL-14082-01-03 / 1</b>   |                   |        |                     |                  | <b>measurements of radioactivity and of individual nuclides in food, feed, plant, fertilisers, water, waste and soil</b>   |                                     |
| <b>D-PL-14082-01-03 / 1.1</b> | <b>Category 1</b> |        |                     |                  | <b>measurements of radioactivity and of individual nuclides by gammaspectrometry in food, feed, plant, fertilisers, water, waste and soil *</b>  |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | A-γ-SPEKT-NIEDE-01  | : 2000-10        | Method for the gamma spectrometric determination of radionuclides in precipitation   |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | C-γ-SPEKT-OWASS-01  | : 1993-12        | Method for the gamma spectrometric determination of radionuclides in surface water   |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | C-γ-SPEKT-SCHWIE-01 | : 1993-12        | Method for the gamma spectrometric determination of radionuclides in suspended matter samples  |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | C-γ-SPEKT-SEDIM-01  | : 1993-12        | Method for the gamma spectrometric determination of radionuclides in sediment samples  |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | E-γ-SPEKT-LEBM-01   | : 1997-05        | Method for the gamma spectrometric determination of radionuclides in foodstuffs  |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | F-γ-SPEKT-BODEN-01  | : 1998-11        | Method for the gamma spectrometric determination of radionuclides in soil samples  |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | F-γ-SPEKT-DUEMI-01  | : 1992-09        | Method for the gamma spectrometric determination of radionuclides in samples of fertilisers  |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | F-γ-SPEKT-FUMI-01   | : 1998-11        | Method for the gamma spectrometric determination of radionuclides in samples of feed and feed raw materials  |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | F-γ-SPEKT-MILCH-01  | : 1992-09        | Method for the gamma spectrometric determination of radionuclides in milk samples  |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | F-γ-SPEKT-MIPRO-01  | : 1992-09        | Method for the gamma spectrometric determination of radionuclides in cheese samples (imports)  |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | F-γ-SPEKT-PFLAN-01  | : 1998-11        | Method for the gamma spectrometric determination of radionuclides in plant samples (indicators)  |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | G-γ-SPEKT-FISCH-02  | : 2015-11        | Method for the gamma spectrometric determination of radionuclides in fish and fish products  |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | G-γ-SPEKT-KRUST-02  | : 1992-09        | Method for the gamma spectrometric determination of radionuclides in crustaceans (shrimps)   |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | G-γ-SPEKT-SCHAL-02  | : 1992-09        | Method for the gamma spectrometric determination of radionuclides in shellfish (mussels)   |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | H-γ-SPEKT-AWASS-01  | : 2000-10        | Method for the gamma spectrometric determination of radionuclides in waste water   |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | H-γ-SPEKT-KLAER-01  | : 1992-09        | Method for the gamma spectrometric determination of radionuclides in sewage sludge   |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | H-γ-SPEKT-RESAB-01  | : 1992-09        | Method for the gamma spectrometric determination of radionuclides in groundwater/seepage water of domestic waste landfills   |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | H-γ-SPEKT-RESAB-02  | : 1992-09        | Method for the gamma spectrometric determination of radionuclides in filter ash/filter dust, slag waste incineration plants and solid residues from flue gas cleaning of waste incineration plants |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | H-γ-SPEKT-RESAB-04  | : 1992-09        | Method for the gamma spectrometric determination of radionuclides in compost from composting plants  |                                     |
| D-PL-14082-01-03 / 1.1        | Category 1        | Stock  | H-γ-SPEKT-TWASS-01  | : 1992-09        | Method for the gamma spectrometric determination of radionuclides in drinking water and groundwater  |                                     |
| <b>D-PL-14082-01-03 / 1.2</b> | <b>Category 1</b> |        |                     |                  | <b>Determination of Strontium by liquid scintillation spectrometry in food, feed, plant and soil *</b>   |                                     |
| D-PL-14082-01-03 / 1.2        | Category 1        | Stock  | E-Sr-90-LEBM-04     | : 2020-06 (mod.) | Method for the determination of the specific activity of strontium-90 in food with the liquid scintillation spectrometer (dicyclohexyl-18-crown-6 method)  | determination of the chemical yield |
| D-PL-14082-01-03 / 1.2        | Category 1        | Stock  | F-Sr-90-BODEN-03    | : 2013-04 (mod.) | Method for the determination of the specific activity of strontium-90 in soil with the liquid scintillation spectrometer (dicyclohexyl-18-crown-6 method)  | determination of the chemical yield |
| D-PL-14082-01-03 / 1.2        | Category 1        | Stock  | F-Sr-90-FUMI-04     | : 2020-06 (mod.) | Method for the determination of the specific activity of strontium-90 in feed and vegetation samples with the liquid scintillation spectrometer (dicyclohexyl-18-crown-6 method)                   | determination of the chemical yield |
| <b>D-PL-14082-01-03 / 1.3</b> | <b>Category 1</b> |        |                     |                  | <b>Determination of Tritium and total alpha activity by liquid scintillation spectrometry in water *</b>   |                                     |
| D-PL-14082-01-03 / 1.3        | Category 1        | Stock  | C-H-3-OWASS-01      | : 1993-12        | Method for the determination of the tritium concentration in surface water   |                                     |
| D-PL-14082-01-03 / 1.3        | Category 1        | Stock  | H-α-GESAMT-TWASS-02 | : 2009-01 (mod.) | Rapid procedure for determining the gross alpha activity concentration in drinking water   | reprocessing                        |
| D-PL-14082-01-03 / 1.3        | Category 1        | Stock  | H-H-3-AWASS-01      | : 2000-09        | Method for the determination of tritium in waste water   |                                     |

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**Status legend**  
 Stock: same as on annex to accreditation; Flexible: other issue/modification than accreditation annex or *method only to find on this list within flexibility*

| Partial certificate / chapter | Flexibility | Status | Method              | Issue     | Title of the method  | Modification |
|-------------------------------|-------------|--------|---------------------|-----------|--|--------------|
| D-PL-14082-01-04              |             |        |                     |           | Determination of selected radioactive substances in accordance with the German Drinking Water Ordinance  |              |
| D-PL-14082-01-04 / 1          |             |        |                     |           | Tests in accordance with the German Drinking Water Ordinance – TrinkwV – Requirements for drinking water with regard to radioactive substances |              |
| D-PL-14082-01-04 / Anlage 3a  | Category 3  | Stock  | H-Rn-222-TWASS-01   | : 1994-12 | Rapid method for the determination of radon-222 in drinking water  |              |
| D-PL-14082-01-04 / Anlage 3a  | Category 3  | Stock  | C-H-3-OWASS-01      | : 1993-12 | Method for the determination of the tritium concentration in surface water   |              |
| D-PL-14082-01-04 / Anlage 3a  | Category 3  | Stock  | H-α-GESAMT-TWASS-02 | : 2009-01 | Rapid procedure for determining the gross alpha activity concentration in drinking water   |              |
| D-PL-14082-01-04 / Anlage 3a  | Category 3  | Stock  | H-γ-SPEKT-TWASS-01  | : 1992-09 | Method for the gamma spectrometric determination of radionuclides in drinking water and groundwater  |              |