

Notes on the use of methanol-containing bottles for sampling of solids

For the sampling of solids to be analyzed for BTEX, chlorinated compounds or other volatile organic compounds (VOCs) according to ISO 22155 (or HLOG Band 7 Teil 4) glass bottles containing methanol and an internal standard are provided by the AGROLAB Laboratories.

Before being shipped, the methanol-containing bottles are weighed and the resulting weight is documented on the bottle label (net weight). This weight is then used for the calculation of the concentration of the measured components. The bottle label also contains the date the bottle was prepared as well as the lot number of the methanol used. This information ensures an unambiguous assignment of the corresponding blank value.

In the context of trace compounds analyses, the following aspects must be observed:

- Request the required number of sampling bottles some working days ahead, before the sampling campaign must take place. After reception of the request, the processing time in the laboratory is 2-3 working days, except by requests of 50 or more bottles, which need a longer processing time.
- Sampling bottles are to be used **within 60 days** after preparation (please note the preparation date on the label).
- During sample taking the bottles should remain open the shortest time possible.
- The sample quantity should be **around 25 g** (about 2 tablespoons).
- In principle, the sample amount is limited to a level where the sample is still **completely covered with methanol**.
- After sampling and before closing the bottle, make sure that the rim is clean (wipe if needed), in order to **prevent leakages**.
- The bottles are to be stored dark at room temperature up to 10 days. It is also required to ensure that the bottles are carefully closed and leak-free.
- If no methanol-containing bottle is supplied to the laboratory for the analyses of volatile compounds, this must be documented on the report by means of a disclaimer.

It is important to return the sample containing bottles to the same laboratory which provided the bottles due to net weight and blanks.

Should you have any questions regarding these procedures, please contact your customer service representative or our logistics team via telephone or e-mail.

Thank you for your cooperation
Your AGROLAB GROUP Lab team.

For your information: Methanol, CAS.No. 67-56-1



Toxic by breathing, swallowing and skin contact.,



Toxic: serious danger of irreversible damages by breathing, skin contact of swallowing



Highly flammable!

Safety instructions

P210 keep away from heat/sparks/open flames/hot surfaces. Do not smoke.

P303+P361+P9353 By skin contact: immediately remove all contaminated, moistened clothes. Wash the skin with water.