



IDENTIFICATION SHEET

ASTASOL® - CH CE281M

Calibration standard solution for chromatography in CERTAN®
capillary bottle

This Identification sheet is designed in accordance with ISO Guide 31

VOC MIX-2

Category:

Reference material

Product code:

CE281M

Analytes:

tetrachloromethane, certified
1,2-dichloroethane, certified
1,1,2-trichloroethylene, certified
1,1,2,2-tetrachloroethylene, certified
trichloromethane, certified
tribromomethane, certified
dibromochloromethane, certified
bromodichloromethane, certified

Assigned concentration value and expanded uncertainty ($k = 2$):

1000 ± 10 µg/ml (each compound, at 20 °C)

Matrix solvent:

Methanol (Picograde®, for residue analysis, LGC Standards)

Specification:

Batch No.: 107

The date of production: 3.12.2021

Expiry date: 3.3.2023

Intended use:

As a calibrator for the determination of the above analytes by chromatographic methods

Gravimetric preparation and traceability:

The single components are weighed by using an electronic balances, dissolved and transferred into a calibrated volumetric flask (class A glassware). The necessary weight of the neat material to compensate the difference of the purity of the compound to 100% is taken into account. The tolerance of the weighing procedure and the dilution error adds to a maximum of $\pm 0.5\%$. Quality control of nominal composition of this solution can be done by comparing the concentrations of this solution with those of an independent internal standard solution.

Packing material:

Amber glass CERTAN® bottle. CERTAN® is a trade-mark of special containers registered by LGC Standards.

Storage:

The bottle should be stored in the dark at temperatures 5 - 10°C. Solution aliquots for analysis should be withdrawn at 20°C immediately after opening the bottle; the bottle should be again tightly capped within 1-2 minutes.

Producer:

ANALYTIKA®, spol. s r.o.

Department of reference materials

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Quality management systems of company ANALYTIKA®, spol. s r.o.:

The Producer has a certified quality management system ČSN EN ISO 9001: 2016.

The Producer meets the requirements of ČSN EN ISO 17034:2017: General requirements for the competence of reference material producers.

Head of production department:

Mgr. Mirka Petránková

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