



# ***IDENTIFICATION SHEET***

## **ASTASOL® - CH CE281I**

### **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:** CE281I

**Analytes:**

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

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

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

**Matrix solvent:**

Isooctane

**Specification:**

**Batch No.:** 104

**The date of production:** 24.01.2023

**Shelf life:** 24.01.2025

**The date of first opening of the bottle:** .....

**Expiry date:**.....(6 months from the first opening of the bottle within shelf life period, which should be indicated on the label of the bottle as well.)

**Intended use:**

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

**Gravimetric preparation and traceability:**

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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:**

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

**Storage:**

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The bottle should be stored in the dark at temperatures 5 - 10°C. Solution aliquots for analysis should be withdrawn at 20°C immediately after opening the bottle; the bottle should be again tightly capped within 1-2 minutes.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

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ANALYTIKA®, spol. s r.o.

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

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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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