



IDENTIFICATION SHEET

ASTASOL® - CH CE822P

Calibration standard solution for chromatography in CERTAN® capillary bottle

This Identification sheet is designed in accordance with ISO Guide 31

F MIX-1

Category:

Reference material

Product code:

CE822P

Analytes:

Dinoseb	2,3,6 – trichlorophenol
Pentachlorophenol	2,4 – dichlorophenol
Phenol	2,4 – dimethylphenol
2 - chlorophenol	2,4 – dinitrophenol
2 – methyl – 4,6 – dinitrophenol	2,4,5 – trichlorophenol
2 – methylphenol	2,4,6 – trichlorophenol
2 – nitrophenol	2,6 – dichlorophenol
2,3,4 – trichlorophenol	3 – methylphenol
2,3,4,5 – tetrachlorophenol	3,4,5 – trichlorophenol
2,3,4,6 - tetrachlorophenol	4 – chloro – 3 - methylphenol
2,3,5 – trichlorophenol	4 - methylphenol
2,3,5,6 - tetrachlorophenol	4 - nitrophenol

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

100 ± 1 µg/ml (each compound, at 20 °C)

Matrix solvent:

2 - propanol

Specification:

Batch No.: 105

The date of production: 04.10.2023

Expiry date: 04.10.2025

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 microbalances (Mettler MT 5 capable of weighing to 0.000001g with a built in automatic calibration function) 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The bottle should be stored in the dark at temperatures 5 - 10°C. Solution aliquots for analysis should be withdrawn at 20°C immediately after opening the bottle; the bottle should be again tightly capped within 1-2 minutes.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:

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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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