



IDENTIFICATION SHEET

ASTASOL® - CH CE005T

Calibration standard solution for chromatography in CERTAN® capillary bottle

This Identification sheet is designed in accordance with ISO Guide 31

PAH MIX-5

Category:

Reference material

Product code:

CE005T

Analytes:

Acenaphthene, certified	Chrysene, certified
Acenaphthylene, certified	Dibenzo(a,h)anthracene, certified
Anthracene, certified	Fluoranthene, certified
Benzo(a)anthracene, certified	Fluorene, certified
Benzo(b)fluoranthene, certified	Indeno(1,2,3-cd)pyrene, certified
Benzo(k)fluoranthene, certified	Naphtalene, certified
Benzo(ghi)perylene, certified	Phenanthrene, certified
Benzo(a)pyrene, certified	Pyrene, certified

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

100,0 ± 1,0 µg/ml (each compound, at 20 °C)

Matrix solvent:

Toluene (Picograde® for residue analysis, LGC Standards)

Specification:

Batch No.: 055

The date of production: 16.3.2021

Expiry date: 16.9.2023

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The bottle should be stored in the dark at temperatures 5 - 10°C. Solution aliquots for analysis should be withdrawn at 20°C immediately after opening the bottle; the bottle should be again tightly capped within 1-2 minutes.

Storage:

ANALYTIKA®, spol. s r.o.
Department of reference materials
Ke Klíčovu 2a/816
190 00 Prague 9 – Vysočany
Czech Republic

www.analytika.net
sales@analytika.net

Phone/Fax: +420 286 589 616

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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