

Certificate of Analysis



677666

Lot: 776234

Benzo[a]pyrene

1. General Information

Formula C₂₀H₁₂

Expiry Date 01.04.2021

Mol. Weight **252.31 g mol⁻¹**

Store at 20 °C

CAS-No. 50-32-8

2. Batch Analysis

Assay **97.7 %**

Uncertainty ± 0.5 %

Certified on 18.04.2016

A handwritten signature in blue ink, appearing to read 'Dr. Schulze', is positioned above the printed name.

by Dr. Schulze

The reported uncertainty U is an expanded uncertainty according to EURACHEM / CITAC guide CG4 – Quantifying Uncertainty in Analytical Measurement – third edition and calculated $U = k \cdot u_c$ using a coverage factor of $k = 2$, which gives a level of confidence of 95%.

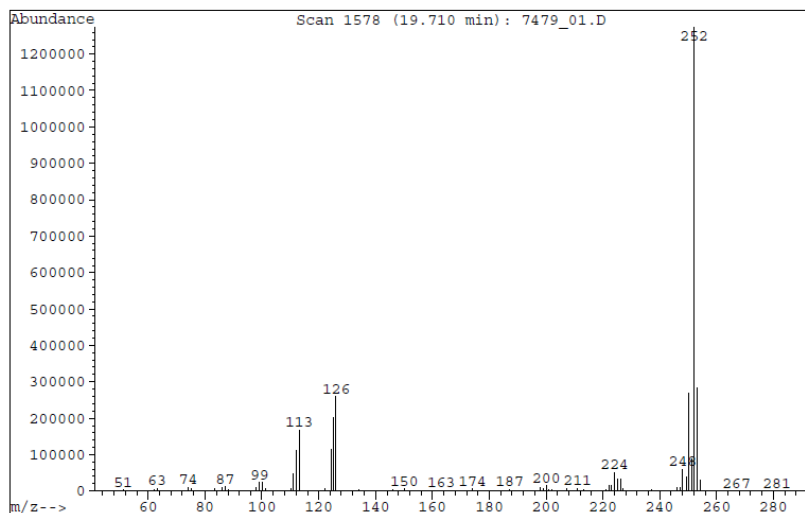
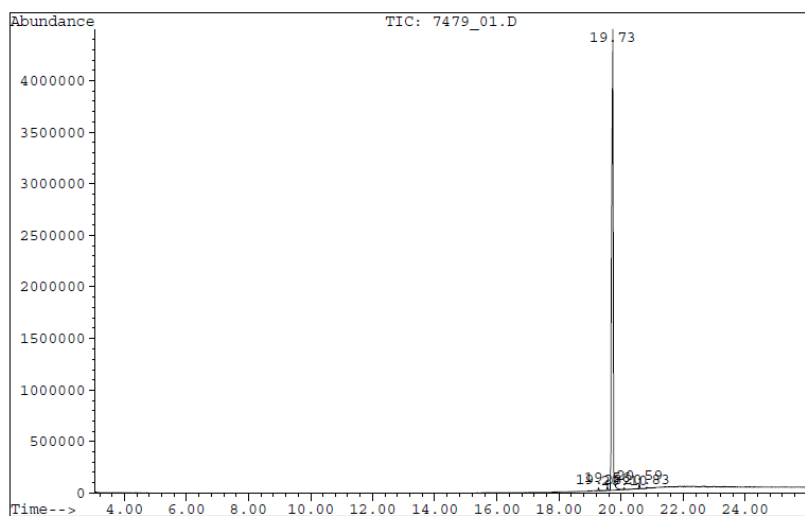
The expiry date is based on the current knowledge and holds only for proper storage conditions in the originally closed flask. The information herein is believed to be correct, but is provided without warranty of any kind. The warranty for this product is limited to the purchasing price of this product.

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GC

| | | | |
|------------|--------------------------|-------------|-------------------------|
| Article-No | 677666 | Inj.-temp. | 250 °C |
| Lot-No | 776234 | Oven-temp. | 70-340 °C |
| Column | BPX5, 25 m, 0.22 mm | Split | - |
| Flow | 0.8 ml min ⁻¹ | Inj.-Volume | 1 µl |
| Detector | MS | Sample | 0.3 mg ml ⁻¹ |



| Retention Time | Area | Area % |
|------------------------|-----------|--------|
| Total Ion Chromatogram | | |
| 19.279 | 599099 | 0.371 |
| 19.564 | 1043246 | 0.646 |
| 19.734 | 157797332 | 97.732 |
| 20.101 | 446949 | 0.277 |
| 20.593 | 1341303 | 0.831 |
| 20.827 | 231859 | 0.144 |