

Reference Material

This certificate is designed in accordance with *ISO 17034* and *ISO Guide 31*. This reference material (RM) was designed, produced and verified in accordance with *ISO/IEC 17025*, *ISO 17034* and a registered quality management system *ISO 9001*.

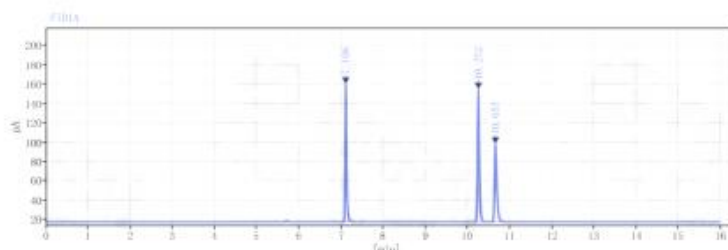
Product Name	3 VOCs Mix in Water, 2000 µg/ml	Lot Number	S23HB195513
Part Number	B64283	Storage	(-20± 5) °C Keep in the shade
Expiry Date	2023-Sept-22		

CERTIFIED

Component No.	Peak Sequence	Component	CAS No.	Concentration (µg/mL)	Uncertainty (%)
1	1	Acrolein	107-02-8	2000	2
2	2	Acrylonitrile	107-13-1	2000	2
3	3	Acetonitrile	75-05-8	2000	2

CERTIFICATE OF ANALYSIS

CHROMATOGRAM



- **Instrument**
GC/FID
- **Column**
DB-WAX(60m×0.25mm×0.25μm)
- **Injection Temp**
150°C
- **Detector Temp**
200°C
- **Method Details**
40°C,5°C/min→60°C(3min),5°C/min→70°C(7min)

Note: The ampoule should be placed horizontally to keep the liquid evenly distributed and stored under freezing conditions.

Intended Use

This RM is intended for use in a laboratory as a calibration and quality control standard or in method development for analytical techniques.

Uncertainty

The certified value(s) and uncertainty(ies) are determined in accordance with **ISO 17034** with an 95% confidence level (k=2). Uncertainty is based on the Total Combined Uncertainty, including uncertainties of preparation, purity of neat materials, homogeneity, stability testing.

Traceability

The balances used for gravimetric measurements are calibrated with weights traceable to the national standards. The calibration of the balances is verified annually by an external accredited calibration service. This analysis method has been verified using an approach consistent with **ISO 17034:2016** & **ISO 17025:2017**.

Homogeneity

Random replicate samples of the final packaged RM have been analysed to prove homogeneity consistent with ISO 17034.

Storage

The RM should be stored in the original sealed bottle at the indicated temperature.

CERTIFICATE ON	QC SIGNATURE	RM Release
2022-Sep-25		