

Certificate of Analysis

Product Name:

Multi-element Tuning solution for ICPMS - 7 components: 1 µg/L each of Barium (Ba); Bismuth (Bi); Cerium (Ce); Cobalt (Co); Indium (In); Lithium (Li); Uranium (U) in 2.5% HNO₃; 0.5% HCl, PurCert

Product No.: PSR41966
Lot No.: Sample COA
Brand: PureSynth
CAS No.: Mixture
Molecular Formula: NA
Molecular Weight: NA
Date of Mfg.: NA
Date of Exp.: NA

Matrix: 2.5% (v/v) HNO₃ & 0.5% (v/v) HCl

Value / Analyte(s):

1 µg/L each of: Barium, Cerium, Indium, Uranium, Bismuth, Cobalt, Lithium

CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE
Barium, Ba	1.000 ± 0.007 µg/L
Cerium, Ce	1.000 ± 0.007 µg/L
Indium, In	1.000 ± 0.006 µg/L
Uranium, U	1.000 ± 0.007 µg/L
Bismuth, Bi	1.000 ± 0.007 µg/L
Cobalt, Co	1.000 ± 0.007 µg/L
Lithium, Li	1.000 ± 0.008 µg/L

Density: 1.012 g/mL (measured at 20 ± 4 °C)

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at technical@pure-synth.com

ASSAY INFORMATION:

ANALYTE	METHOD	NIST SRM#
Ba	Calculated	NA
Bi	Calculated	NA
Ce	Calculated	NA
Co	Calculated	NA
In	Calculated	NA
Li	Calculated	NA
U	Calculated	NA

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a temperature of 2-8°C and keep the container tightly closed

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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