

Certificate of Analysis

Product Name:

Multi-element Tuning solution for ICPMS - 25 components: 35 µg/L Be; 20 µg/L Zn; 15 µg/L each of Cu, Ni; 10 µg/L each of Mg, Ga, Al; 8 µg/L each of Co, Li, Sc; 6 µg/L each of Ag, Mn; 5 µg/L Sr; 4 µg/L each of Tl, Ba; 3 µg/L each of Bi, Ce, Ho, In, Rh, Cs, U, Y, Ta, Tb in 2.5% HNO₃, PurCert

Product No.:	PSR47137
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

Value / Analyte(s):

35 µg/L ea: Beryllium,

20 µg/L ea: Zinc,

15 µg/L ea: Copper, Nickel,

10 µg/L ea: Magnesium, Gallium, Aluminum,

8 µg/L ea: Cobalt, Lithium, Scandium,

6 µg/L ea: Silver, Manganese,

5 µg/L ea: Strontium,

4 µg/L ea: Thallium, Barium,

3 µg/L ea: Bismuth, Indium, Uranium, Terbium, Cerium, Rhodium, Yttrium, Holmium, Cesium, Tantalum,

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

CERTIFIED VALUES AND UNCERTAINTIES

Analyte	Symbol	Certified Value (µg/L)
Aluminium	Al	10.00 ± 0.06
Barium	Ba	4.000 ± 0.027
Beryllium	Be	35.00 ± 0.23
Bismuth	Bi	3.000 ± 0.022
Cerium	Ce	3.000 ± 0.018
Cesium	Cs	3.000 ± 0.018
Cobalt	Co	8.00 ± 0.04
Copper	Cu	15.00 ± 0.10
Gallium	Ga	10.00 ± 0.06
Holmium	Ho	3.000 ± 0.020
Indium	In	3.000 ± 0.018
Lithium	Li	8.00 ± 0.05
Magnesium	Mg	10.00 ± 0.06
Manganese	Mn	6.000 ± 0.036
Nickel	Ni	15.00 ± 0.09
Rhodium	Rh	3.000 ± 0.022
Scandium	Sc	8.00 ± 0.06
Silver	Ag	6.000 ± 0.045
Strontium	Sr	5.000 ± 0.033
Tantalum	Ta*	2.995 ± 0.021
Terbium	Tb	3.000 ± 0.018
Thallium	Tl	4.000 ± 0.030
Uranium	U	3.000 ± 0.018
Yttrium	Y	3.000 ± 0.020
Zinc	Zn	20.00 ± 0.13

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ASSAY INFORMATION:

Analyte	Method	NIST SRM#	SRM Lot#
Ag	ICP Assay	3151	992212
Ag	Volhard	999b	999b
Al	ICP Assay	3101a	060502
Al	EDTA	928	928
Ba	ICP Assay	3104a	070222
Ba	Gravimetric	NA	NA
Be	ICP Assay	3105a	090514
Bi	ICP Assay	3106	991212
Bi	Calculated	NA	NA
Ce	ICP Assay	3110	090504
Ce	EDTA	928	928
Co	ICP Assay	3113	000630 Co
Co	EDTA	928	928
Cs	IC Assay	3111a	050614
Cs	Gravimetric	NA	NA
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Ga	ICP Assay	3119a	140124
Ga	EDTA	928	928
Ho	ICP Assay	3123a	790812
Ho	EDTA	928	928
In	ICP Assay	3124a	110516
In	EDTA	928	928
Li	ICP Assay	3129a	100714
Li	Calculated	NA	NA
Mg	ICP Assay	3131a	050302
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Rh	ICP Assay	3144	070619
Sc	ICP Assay	3148a	100701
Sc	EDTA	928	928
Sr	EDTA	928	928
Sr	ICP Assay	3153a	990906
Ta	ICP Assay	3155	110715
Ta	Calculated	NA	NA
Tb	ICP Assay	3157a	100518
Tb	EDTA	928	928
Tl	ICP Assay	3158	930312
U	ICP Assay	3164	080521

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U	Calculated	NA	NA
Y	ICP Assay	3167a	120314
Y	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

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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