

Certificate of Analysis

Reference Material & Standard

Product Name:	Metal Ions Mix 24 Solution(Al,As,B,Ba,Be,Bi,Cd,Co,Cr,Cu,Fe,Ga,Li,Mg,Mn,Ni,Pb,Sb,Sn,Sr,Ti,Tl,V,Zn)	Catalogue Number:	MCEM591040
Appearance:	Colourless Liquid	Lot Number:	0814-RE-0114
Solvent:	15%HNO ₃ +tr.HCl+tr.HF	Storage:	2°C ~ 8°C Protected from light and Sealed
Expiry Date:	Mar 24, 2025		
Chemical Structure:	N/A		

NO.	Component	CAS No.	Certified Concentration Value (µg/mL)	Uncertainty (%)
1	Metal Ions Mix 24 Solution(Al,As,B,Ba,Be,Bi,Cd,Co,Cr,Cu,Fe,Ga,Li,Mg,Mn,Ni,Pb,Sb,Sn,Sr,Ti,Tl,V,Zn)	N/A	100.5	2

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.



CATO Research Chemicals Inc.

Signature:

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Approved by General Manager:

David

Date: Aug 15, 2023

Date: Aug 16, 2023

Date: Aug 16, 2023

