

# Certificate of Analysis

## Reference Material

|                            |                                         |                          |                                           |
|----------------------------|-----------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>       | Metal Ions Mix 8(K,Fe,Na,Ni,Cr,Si,P,Mo) | <b>Catalogue Number:</b> | LINS001394                                |
| <b>Appearance:</b>         | Colourless Liquid                       | <b>Lot Number:</b>       | 1227-RD-0048                              |
| <b>Solvent:</b>            | 10%HNO <sub>3</sub> +tr.HF              | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Expiry Date:</b>        | Dec 21, 2024                            |                          |                                           |
| <b>Chemical Structure:</b> | <b>Warning:</b>                         |                          |                                           |
| N/A                        |                                         |                          |                                           |

| NO. | Component                               | CAS No. | Certified Concentration Value<br>(mg/L) | Uncertainty<br>(%) |
|-----|-----------------------------------------|---------|-----------------------------------------|--------------------|
| 1   | Metal Ions Mix 8(K,Fe,Na,Ni,Cr,Si,P,Mo) | N/A     | 1000.2                                  | 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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Date: Dec 21, 2022

Date: Dec 28, 2022

Date: Dec 28, 2022

