Certificate of Analysis

1.0 DESCRIPTION: **Conostan Single-Element Standard, Cadmium 5000 ppm**
Catalogue Number: **150-500-485**
Lot Number: **500618**
Matrix: 20 cSt Mineral Oil
Expiration Date: **12 months from date of shipment (see bottle for date of shipment)**

Cd

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:
Certified Concentration: **5000 μg/g +/- 7 μg/g**

Method of analysis and traceability:

This standard was prepared by weight measurements originating from assayed element Concentrates. A precursor blend was verified by atomic emission or absorption spectroscopy. Element concentration for this standard is based on the Concentrate assay* value and was prepared to within the uncertainty value listed above at the 95% Confidence Interval, as determined by weight measurements of blend components conducted on balances calibrated and verified with NIST traceable weights.

*Each element Concentrate was assayed by classical wet chemical methods. Precision of assay measurement is ±0.5 percent maximum, but typically ±0.3 percent, or less. Assay accuracy is within one percent of measured value, but typically much less, as determined by co-measurement of, and traceability to, Cadmium Oxide, 99.99+% pure, Certified Analytical Reagent Grade Chemical, because no suitable NIST Standard exists.

3.0 REFERENCE VALUES:

None.

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Date: March 28, 2022

Certification Approval:

Alketa mixha
Conostan Production Manager