

The Most Comprehensive Certificate in the Industry Just Got Better!

The SPEXertificate®

The leader in certified reference materials, **SPEX CertiPrep**, once again pulls away from the competition with a new dimension in certificates of analysis—a *second side!* If you're not getting all this information, you're not getting the most from your certificate.

REPORT OF CERTIFICATION (Second Side) includes Material Source, Instructions for Use, Methods of Preparation, Homogeneity, Statistical Estimator and Confidence Limits, Certification Traveler Report, and Legal Notice as outlined by ISO 9001, ISO 17025, and ISO Guide 34, and consistent with the eight major guides and standards.



Accredited by AZLA for ISO 17025 and Guide 34, and Certified by UL-DQS for ISO 9001.

Wet Assay calculated via gravimetry—not based on starting material assay.

Certified by ICP against an actual NIST **standard**—not by an independent source traceable to NIST.

Actual reported values for classical wet assay and ICP of the **final solution**—not reported values of the starting materials or by a calculation.

Report of Certification

Wet Assay: 10016 mg/L

Uncertainty Associated with Measurement: ±3129%

Certified Value is Traceable to NIST SRM: 10010 mg/L

Method: Wet Assay

Instrumental Analysis by ICP Spectrometer: 10021 mg/L

Trace Metallic Impurities in the Actual Solution via ICP/ICP-MS Analysis:

Element	mg/L	Element	mg/L	Element	mg/L	Element	mg/L
Al	<0.005	Ca	<0.009	Fe	0.01	Pb	<0.002
As	<0.01	Cd	<0.006	Na	<0.008	Re	<0.003
B	<0.1	Co	<0.005	Ni	<0.003	Sr	<0.001
Ba	0.02	Cr	<0.09	Pb	<0.001	V	<0.001
Be	<0.01	Cu	<0.003			Zn	<0.03

For Claritas PPT® & Assurance® Standards, up to 68 elements are scanned with **found values**.

Trace impurities of the **final solution**—not of the starting materials.

Stability and accuracy of the **final solution**—not of the starting materials.

Stamped with date of shipment.

Signed by SPEX CertiPrep's Vice President of Inorganic Manufacturing: **Huifang Lang**

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