

Material No: 6051.1000
Batch No: 2332405816
Manufactured Date: 2023/11/20
Expiration Date: 2025/11/20

Certificate of Analysis

Test	Specification	Result
Assay (NH ₃)	24.0–26.0 %	24.7
Carbon Dioxide (CO ₂)	<= 0.003 %	< 0.003
Chloride (Cl)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 2 ppm	< 2
Residue after Ignition	<= 0.003 %	0.003
Substances Reducing KMnO ₄	passes test	passes test
Total Sulfur (as SO ₄)	<= 5 ppm	< 5
Trace Impurities (in ppm)		
Aluminium (Al)	<= 0.05	0.007
Arsenic (As)	<= 0.05	< 0.005
Barium (Ba)	<= 0.02	< 0.002
Beryllium (Be)	<= 0.01	< 0.005
Cadmium (Cd)	<= 0.02	< 0.002
Calcium (Ca)	<= 0.5	0.13
Chromium (Cr)	<= 0.1	< 0.002
Cobalt (Co)	<= 0.01	< 0.002
Copper (Cu)	<= 0.1	0.004
Iron (Fe)	<= 0.1	0.004
Lead (Pb)	<= 0.05	0.006
Li (Lithium)	<= 0.01	< 0.002
Magnesium (Mg)	<= 0.1	0.012
Manganese (Mn)	<= 0.01	< 0.002
Molybdenum (Mo)	<= 0.02	< 0.002
Nickel (Ni)	<= 0.05	0.004
Potassium (K)	<= 0.1	0.016

Material No: 6051.1000
Batch No: 2332405816

Test	Specification	Result
Silver (Ag)	≤ 0.01	< 0.002
Sodium (Na)	≤ 0.5	0.15
Strontium (Sr)	≤ 0.01	< 0.002
Thallium (Tl)	≤ 0.05	< 0.005
Titanium (Ti)	≤ 0.1	< 0.005
Vanadium (V)	≤ 0.01	< 0.005
Zinc (Zn)	≤ 0.05	0.033
Zirconium (Zr)	≤ 0.1	< 0.005

For Laboratory, Research or Manufacturing use.

Country of Origin: SPAIN
Packaging Site: Gliwice Mfg & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis, please contact Customer Service at avantor.emea@avantorinc.com
The information in this document is property of Avantor Performance Materials Poland S.A.
Avantor Performance Materials Poland S.A. Sowińskiego 11 Gliwice 44-101 Poland Tel: +48 322392000