

Ammonium Sulfate
Ultrapure Bioreagent
For Protein Precipitation, Liquid Chromatography and Molecular
Biology Applications



Material No.: 4027-02
Batch No.: 0000028265
Manufactured Date: 2012/12/04
Retest Date: 2017/12/03

Certificate of Analysis

Test	Specification	Result
Assay ((NH ₄) ₂ SO ₄)	>= 99.5 %	99.9
ACS - Insoluble Matter	<= 0.005 %	< 0.001
pH of 5% Solution at 25°C	5.0 - 6.0	5.2
Residue after Ignition	<= 0.005 %	0.002
Absorbance of a 1M Solution - 260 nm	<= 0.040	0.015
Absorbance of a 1M Solution - 280 nm	<= 0.040	0.019
RNase Activity (None Detected)	Passes Test	PT
DNase Activity (None Detected)	Passes Test	PT
Protease Activity (None Detected)	Passes Test	PT
Chloride (Cl)	<= 3 ppm	< 2
Nitrate (NO ₃)	<= 10 ppm	4
Phosphate (PO ₄)	<= 3 ppm	2
Trace Impurities - Arsenic (As)	<= 0.200 ppm	< 0.200
Trace Impurities - Cadmium (Cd)	<= 2.000 ppm	< 2.000
Trace Impurities - Calcium (Ca)	<= 2.000 ppm	< 2.000
Trace Impurities - Copper (Cu)	<= 0.2 ppm	< 0.2
Trace Impurities - Iron (Fe)	<= 1.000 ppm	< 1.000
Trace Impurities - Lead (Pb)	<= 0.100 ppm	< 0.100
Trace Impurities - Lithium (Li)	<= 2.000 ppm	2.000
Trace Impurities - Magnesium (Mg)	<= 2.000 ppm	2.000
Trace Impurities - Manganese (Mn)	<= 0.600 ppm	< 0.600
Trace Impurities - Potassium (K)	<= 2.000 ppm	< 2.000
Trace Impurities - Zinc (Zn)	<= 0.500 ppm	< 0.500
Solution Test	Passes Test	PT

For Laboratory, Research or Manufacturing Use

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Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001:2008, 14001:2004
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 17025:2005
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008, 17025:2005
Panoli, India 9001:2008



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