

Product Specification

Meets ACS Reagent Chemical Requirements,

Test	Specification
ACS – Assay (as NH ₃)	28.0 – 30.0 %
Appearance	Passes Test
ACS – Carbon Dioxide (CO ₂)	≤ 0.002 %
ACS – Pyridine	Passes Test
ACS – Residue after Ignition	≤ 0.002 %
ACS – Substances Reducing Permanganate	Passes Test
ACS – Specific Gravity at 60°/60°F	0.896 – 0.902
Trace Impurities – Arsenic (As)	≤ 3.000 ppm
Chloride (Cl)	≤ 0.5 ppm
Trace Impurities – Heavy Metals (as Pb)	≤ 0.5 ppm
Nitrate (NO ₃)	≤ 2 ppm
Phosphate (PO ₄)	≤ 2 ppm
Total Sulfur (as SO ₄)	≤ 2 ppm
Determine by Flame Photometry ICP – Aluminum (Al)	≤ 0.100 ppm
Determine by Flame Photometry ICP – Barium (Ba)	≤ 0.100 ppm
Determine by Flame Photometry ICP – Beryllium (Be)	≤ 0.010 ppm
Determine by Flame Photometry ICP – Bismuth (Bi)	≤ 0.010 ppm
Determine by Flame Photometry ICP – Boron (B)	≤ 0.050 ppm
Determine by Flame Photometry ICP – Cadmium (Cd)	≤ 0.100 ppm
Determine by Flame Photometry ICP – Calcium (Ca)	≤ 0.100 ppm
Determine by Flame Photometry ICP – Chromium (Cr)	≤ 0.050 ppm
Determine by Flame Photometry ICP – Cobalt (Co)	≤ 0.050 ppm
Determine by Flame Photometry ICP – Copper (Cu)	≤ 0.050 ppm
Determine by Flame Photometry ICP – Gallium (Ga)	≤ 0.500 ppm
Determine by Flame Photometry ICP – Germanium (Ge)	≤ 0.500 ppm
Determine by Flame Photometry ICP – Gold (Au)	≤ 0.500 ppm
Determine by Flame Photometry ICP – Iron (Fe)	≤ 0.100 ppm
Determine by Flame Photometry ICP – Lead (Pb)	≤ 0.2 ppm

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Test	Specification
Determine by Flame Photometry ICP – Lithium (Li)	≤ 0.050 ppm
Determine by Flame Photometry ICP – Magnesium (Mg)	≤ 0.100 ppm
Determine by Flame Photometry ICP – Manganese (Mn)	≤ 0.050 ppm
Determine by Flame Photometry ICP – Mercury (Hg)	≤ 0.500 ppm
Determine by Flame Photometry ICP – Molybdenum (Mo)	≤ 0.010 ppm
Determine by Flame Photometry ICP – Nickel (Ni)	≤ 0.500 ppm
Determine by Flame Photometry ICP – Potassium (K)	≤ 0.100 ppm
Determine by Flame Photometry ICP – Silicon (Si)	≤ 0.100 ppm
Determine by Flame Photometry ICP – Silver (Ag)	≤ 0.050 ppm
Determine by Flame Photometry ICP – Sodium (Na)	≤ 0.500 ppm
Determine by Flame Photometry ICP – Strontium (Sr)	≤ 0.100 ppm
Determine by Flame Photometry ICP – Thallium (Tl)	≤ 0.050 ppm
Determine by Flame Photometry ICP – Tin (Sn)	≤ 0.100 ppm
Determine by Flame Photometry ICP – Vanadium (V)	≤ 0.010 ppm
Determine by Flame Photometry ICP – Zinc (Zn)	≤ 0.100 ppm
Determine by Flame Photometry ICP – Zirconium (Zr)	≤ 0.010 ppm

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Ammonium Hydroxide
AR Select® (ACS)
For Trace Element Analysis



Material No.: 6665-14

Test

Specification

For Laboratory, Research, or Manufacturing Use
Determine by Flame Photometry & ICP

Packaging Site: Phillipsburg Mfg Ctr & DC

For questions on this Product Specification please contact Technical Services at 855.282.6867 or +1.610.386.1700
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