

Material No.: 9721–03
Batch No.: 22J2662004
Manufactured Date: 2022–10–13
Retest Date: 2027–10–12
Revision No.: 0

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Appearance (Colorless and free from suspended matter or sediment)	Passes Test	Passes Test
Assay (as NH ₃)	28.0 – 30.0 %	28.9 %
Color (APHA)	≤ 5	< 5
Specific Gravity at 60°/60°F	0.896 – 0.902	0.899
Residue after Ignition	≤ 0.0020 %	< 0.0003 %
Carbon Dioxide (CO ₂)	≤ 0.002 %	< 0.001 %
Substances Reducing Permanganate	Passes Test	Passes Test
Chloride (Cl)	≤ 0.5 ppm	< 0.2 ppm
Nitrate (NO ₃)	≤ 2 ppm	< 1 ppm
Phosphate (PO ₄)	≤ 2 ppm	< 1 ppm
Total Sulfur (as SO ₄)	≤ 2.0 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 200.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 3000.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 300.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 50 ppb	< 5 ppb
Trace Impurities – Chromium (Cr)	≤ 100.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 100.0 ppb	< 1.0 ppb
Trace Impurities – Gold (Au)	≤ 200.0 ppb	< 5.0 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities – Iron (Fe)	≤ 100.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 200.0 ppb	< 10.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 200.0 ppb	< 1.0 ppb
Trace Impurities – Manganese (Mn)	≤ 100.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 100.0 ppb	< 5.0 ppb
Trace Impurities – Titanium (Ti)	≤ 100.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 100.0 ppb	< 1.0 ppb

Ammonium Hydroxide, 28.0–30.0%
BAKER ANALYZED® A.C.S. Reagent



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Test	Specification	Result
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For Laboratory, Research, or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
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