

GFS Chemicals, Inc.
Columbus, Ohio 43223

LOT ANALYSIS

ITEM: 2584 AMMONIUM HYDROXIDE, SUPERIOR REAGENT (ACS)

LOT#:C033387

Test	PASS/FAIL	NUMERICAL RESULT
Assay 28.0-30.0% NH3	PASS	29.9%
Residue after ignition 0.002%	PASS	<0.002%
Carbon dioxide 0.002%	PASS	<0.002%
Chloride 0.00005%	PASS	<0.00005%
Phosphate 0.0002%	PASS	<0.0002%
Sulfur (as SO4) 0.0002%	PASS	<0.0002%
Heavy metals (as Pb) 0.00005%	PASS	<0.00005%
Iron 0.00002%	PASS	<0.00002%
Substances reducing permanganate - Pass test	PASS	pass test
Nitrate 0.0002%	PASS	<0.0002%
Colorless & free from suspended matter or sediment	PASS	pass test

TRACEABLE TO N.I.S.T. (Y/N)? Y

Comment:

Reported by: Nicholas E. Dangler

QC Supervisor: Charles Fontaine

Quality Assured to Retest Point: 60 months from shipment

C/A Print Date: 12/22/2015

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The trace element impurity levels in this product have been determined by Atomic Absorption (AA) and/or Plasma Emission Spectrometry (PES).

See Comments for Concentration

Al	<0.1	Ag	<0.1	Au	<0.1	Ba	<0.1	Ca	<0.3
Cd	<0.1	Co	<0.1	Cr	<0.1	Cu	<0.1	Hg	<0.1
K	<0.3	Li	<0.1	Mg	<0.3	Mn	<0.1	Mo	<0.1
Na	0.2	Ni	<0.1	Pb	<0.1	Sr	<0.1	Zn	<0.1

Comment: ALL RESULTS ARE IN PPM'S

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