Template Provided By:

Cancer Imaging Program

National Cancer Institute

Reagent/Supply Specification Sheet

(Refer to GEN-M001)

Reagent/Supply: **Ammonium Hydroxide Solution, 28%** **Storage Conditions:** Room Temp, w/Aq Bases
(if applicable)

Internal Tracking Code: SS-NHO **MSDS On File? Y N N/A**
(circle one)

Suppliers:

Vendor	Address	Telephone Number	MSDS Available	Vendor Designation (If Needed)
Sigma-Aldrich	**P.O. Box 2060 Milwaukee, WI 53201**	1-800-558-9160 (Fax) 1-800-962-9591	Yes	A
Mallinckrodt Baker, Inc.	**222 Red School Lane Phillipsburg, NJ 08865**	1-800-582-2537 (Fax) 1-908-859-6905	Yes (A5916)	B

Ordering Information:

Vendor	Catalog Number	Description	Size/Units	Bulk Quantities	Certificate of Analysis Available
Sigma-Aldrich	**33,881-8**	28% in $H_2O \geq 99.99\%$	5 mL, 100 mL, 1 L	N/A	Yes
Mallinckrodt Baker, Inc.	**9721-02, -05**	28.0-30.0% 'Baker Analyzed'® ACS Reagent	500 mL, 2.5 L Glass S/S	N/A	Yes

NCI Internal Specifications: For all non-USP reagents, the certificate of analysis will be compared with the listed internal specifications to ensure that the manufacturers are still testing the product consistently and utilizing the same standards to determine quality, purity, and identity of the reagents.

Parameter	Test Methodology	Specification
Appearance	Visual Inspection	Clear Colorless Liquid
Concentration	Titration	28.0% - 30.0% NH_3 (w/ HCl)
Total Metallic Impurities	Trace Analysis, ICP	100 ppm (maximum)

Regulatory Affairs Approval: _____ **Date:** _____
Signature

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