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Cancer Imaging Program

National Cancer Institute

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Reagent/Supply Specification Sheet

(Refer to GEN-M001)

Reagent/Supply: **Sodium Hydroxide, Pellets, NF**

Storage Conditions: Room Temperature *(if applicable)*

Internal Tracking Code: SS-NAH

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	B
Any Vendor Who Provides NF Grade Sodium Hydroxide Pellets				

Ordering Information:

Vendor	Catalog Number	Description	Size/Units	Bulk Quantities	Certificate of Analysis Available
Sigma-Aldrich	**48,087-8**	Pellets, 99.998%	50 g	N/A	Yes
Mallinckrodt Baker, Inc.	**3728-04**	GMP Manufactured, Meets NF Requirements	125 g	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
Identity	ICP Assay	Passes Test
Heavy Metals (as Pb)	Trace Analysis	0.003% (maximum)
Purity	Titration	95.0 – 100.5%
Carbonate (as Na_2CO_3)	Titration	3.0% (maximum)
Arsenic (As)	Trace Analysis	3 ppm (maximum)
Potassium (K)		< 10 ppm
Mercury (Hg)		0.1 ppm (maximum)

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

Signature

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