Template Provided By:

Cancer Imaging Program

National Cancer Institute

Reagent/Supply Specification Sheet

(Refer to GEN-M001)

Reagent/Supply: **Acetone** **Storage Conditions:** **Rm Temp., Flammables** *(if applicable)*

Internal Tracking Code: SS-ACT **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 (A0446)**	B

Ordering Information:

Vendor	Catalog Number	Description	Size/Units	Bulk Quantities	Certificate of Analysis Available
Sigma-Aldrich	**15,459-8**	99.5+%, ACS, spectrophotometric grade, packaged under N_2	1 L, 2 L in Sure/Seal™ Bottles	N/A	Yes
Mallinckrodt Baker, Inc.	**9010-01, 9010-03**	PHOTREX® Reagent (for Spectrophotometry)	500 mL, 4L glass bottles	N/A	Yes

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	Colorless Liquid
Purity	Gas Liquid Chromatography	99.5% (minimum)
	Methanol (GC)	0.05% (maximum)
	Isopropyl Alcohol (GC)	0.05% (maximum)
Residual H_20	Titration	0.5% H_20 (maximum)
Residue on Evaporation	-------	0.001% (maximum)
Solubility	In H_2O	Passes Test
Color Test	APHA	10 (maximum)
Aldehyde	As formaldehyde	0.002% (maximum)
Titratable Acid	Titration	0.0003 MEQ/g (maximum)
Titratable Base	Titration	0.0006 MEQ/g (maximum)
Substances Reducing Permanganate	------	Passes Test

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

Signature

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