



# Specification Report

Printed on: 5-Nov-12

## 430-064144 Standard

Item Code: 430-064144  
Description: Hexamethyldisilazane (HMDS) Cleanroom® MB  
Container: AMBER PINT  
Approved on: 4-Jan-2011

Ship to: 430-064144 Standard  
Specification: Standard  
Revision: 2  
Part Number: 430-064144

<u>Parameter</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>
Assay (HMDS)	99.50		%
Assay (H2O)		50	ppm
Color		10	APHA
Appearance			
Acidity		2.00	µeq/g
Leading Impurity			%
Trailing Impurity		0.10	%
Turbidity		1.00	NTU
Absorption		0.250	l/g/cm
Refractive Index	1.4050	1.4060	
Infrared			
Heavy Metals		100	ppb
Residue After Evaporation		3,000	ppb
Chloride (Cl)		1,000	ppb
Aluminum (Al)		5.00	ppb
Antimony (Sb)		5.00	ppb
Arsenic (As)		5.00	ppb
Barium (Ba)		10.00	ppb
Boron (B)		10.00	ppb
Cadmium (Cd)		10.00	ppb

<u>Parameter</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>
Calcium (Ca)		5.00	ppb
Chromium (Cr)		10.00	ppb
Cobalt (Co)		10.00	ppb
Copper (Cu)		5.00	ppb
Gallium (Ga)		10.00	ppb
Germanium (Ge)		10.00	ppb
Gold (Au)		10.00	ppb
Iron (Fe)		5.00	ppb
Lead (Pb)		10.00	ppb
Lithium (Li)		10.00	ppb
Magnesium (Mg)		5.00	ppb
Manganese (Mn)		5.00	ppb
Nickel (Ni)		10.00	ppb
Potassium (K)		5.00	ppb
Silver (Ag)		10.00	ppb
Sodium (Na)		5.00	ppb
Strontium (Sr)		10.00	ppb
Tantalum (Ta)		10.00	ppb
Tin (Sn)		10.00	ppb
Zinc (Zn)		10.00	ppb
Zirconium (Zr)		10.00	ppb
0.5µ Particle Count		100	par/ml
Assay (HMDS)	99.50		%
Assay (H2O)		50	ppm
Color		10	APHA
Appearance			
Residue After Evaporation		3,000	ppb
Heavy Metals		100	ppb

<u>Parameter</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>
Trailing Impurity		0.10	%
Turbidity		1.0	NTU
Refractive Index	1.4050	1.4060	
Absorption		0.25	l/g/cm
Aluminum (Al)		10.00	ppb
Antimony (Sb)		5.00	ppb
Arsenic (As)		5.00	ppb
Barium (Ba)		10.00	ppb
Boron (B)		10.00	ppb
Cadmium (Cd)		10.00	ppb
Calcium (Ca)		20.00	ppb
Chromium (Cr)		20.00	ppb
Cobalt (Co)		20.00	ppb
Copper (Cu)		10.00	ppb
Gallium (Ga)		10.00	ppb
Germanium (Ge)		20.00	ppb
Gold (Au)		10.00	ppb
Iron (Fe)		20.00	ppb
Lead (Pb)		10.00	ppb
Lithium (Li)		10.00	ppb
Magnesium (Mg)		10.00	ppb
Manganese (Mn)		20.00	ppb
Nickel (Ni)		10.00	ppb
Potassium (K)		30.00	ppb
Silver (Ag)		10.00	ppb
Sodium (Na)		20.00	ppb
Strontium (Sr)		10.00	ppb
Tantalum (Ta)		20.00	ppb

<u>Parameter</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>
Tin (Sn)		20.00	ppb
Zinc (Zn)		20.00	ppb
Zirconium (Zr)		10.00	ppb
0.5µ Particle Count		100	par/ml
0.5µ Particle Count		100	par/ml