

HEXAMETHYLDISILAZANE- HMDS

Assay Parameter	Unit	Specification LM
Assay (HMDS)	%	99.92 min
Water (H ₂ O)	ppm	50 max
Color	APHA	Max 10
Chloride (Cl)	ppm	2 max
Trailing Impurity	%	0.024 max
UV abs at 270 nm		0.039-0.115
Aluminum (Al)	ppb	0.8 max
Arsenic and Antimony (as As)	ppb	0.4 max
Barium (Ba)	ppb	0.03 max
Beryllium (Be)	ppb	0.16 max
Bismuth (Bi)	ppb	0.02 max
Boron (B)	ppb	3 max
Cadmium (Cd)	ppb	0.2 max
Calcium (Ca)	ppb	2.2 max
Chromium (Cr)	ppb	1 max
Cobalt (Co)	ppb	0.1 max
Copper (Cu)	ppb	0.5 max
Gallium (Ga)	ppb	0.1 max
Germanium (Ge)	ppb	0.12 max
Gold (Au)	ppb	0.08 max
Iron (Fe)	ppb	0.2 max
Lead (Pb)	ppb	0.2 max
Lithium (Li)	ppb	0.1 max
Magnesium (Mg)	ppb	0.3 max
Manganese (Mn)	ppb	0.2 max
Molybdenum (Mo)	ppb	0.3 max
Nickel (Ni)	ppb	0.4 max
Potassium (K)	ppb	0.4 max
Silver (Ag)	ppb	0.1 max
Sodium (Na)	ppb	0.88 max
Strontium (Sr)	ppb	0.1 max
Tantalum (Ta)	ppb	0.12 max
Thallium (Tl)	ppb	2 max
Tin (Sn)	ppb	0.2 max
Titanium (Ti)	ppb	2 max

Vanadium (V)	ppb	0.4 max
Zinc (Zn)	ppb	0.7 max
Zirconium (Zr)	ppb	0.2 max
Particle Count, 0.5 um	ppb	20 max

PHYSICAL	
Appearance	Clear, colorless liquid
Density	0.77 g/cc
Index of Refraction	1.4
Molecular Weight	161.4
Boiling Point	126-127 °C
Flash Point	12.7 °C
CHEMICAL	
Typical Purity	99+%
Sodium	< 1 ppm
Iron	< 1 ppm
Lead	< 1 ppm
Copper	< 1 ppm