



# MADHU SILICA PVT. LTD.

Leading Manufacturers Range of Precipitated Silicas and Silicates

## PRODUCT SPECIFICATION

◆ PRODUCT	: AMORPHOUS SILICA
◆ GRADE	: <b>PolySI L-MC44</b>
◆ PACKING	: 10.0 Kgs. ( Laminated HDPE bags with LDPE inserts)
◆ MARKING	: Name of Material, Manufacture's name, Date of mfg., Expiry Date, Lot No. & Net wt.

Sr. No.	PARAMETERS	UNIT	SPECIFICATIONS	TEST METHOD
1.	Appearance	-	Fine, White odorless powder free from signs of impurity.	IMS-WI-QC-003
2.	Loss on Drying (at 105°C, 2 hrs.)	%	2.0 Max.	IMS-WI-QC-003
3.	Loss on Ignition , on anhydrous basis ( at 1000°C for 2 hours)	%	10.0 Max.	IMS-WI-QC-003
4.	Bulk Density Tapped (while material Packed)	gm/ Lit.	100 to 140	IMS-WI-QC-003
5.	5% pH in Aqueous slurry	---	6.5 to 8.0	IMS-WI-QC-003
6.	Assay, SiO <sub>2</sub> (anhydrous basis)	%	99.0 Min.	IMS-WI-QC-003
7.	Oil Absorption	cc/100gm	190 to 230	IMS-WI-QC-003
8.	Soluble Salts	%	0.5 Max.	IMS-WI-QC-003
<b>Particle Size Distribution</b>				
(By Malvern Instrument) (Wet Method):				
9	D50 (Ave rage Particle Size)	Microns	2.5 to 4.0	IMS-WI-QC-003
	D100 (Max. Particle Size)	Microns	10.0 Max.	
<b>Additional Parameters:</b>				
10	N <sub>2</sub> BET Surface area	m <sup>2</sup> /gm	350 to 500	IMS-WI-RD-04
11	Iron Content ( as Fe+ 3	ppm	100 Max.	IMS-WI-QC-003
12	Heavy Metals ad Lead	ppm	15.0 Max.	IMS-WI-QC-003A

**SAFETY & HANDLING :** Details available in the product Material Safety Data Sheet.

**PACKING AND STORAGE :** The product is an Inert inorganic material and chemically stable. However due to nature of the material, it can absorb moisture and odour from the surrounding. Recommended storage of bags in sealed conditions only in a ventilated room at room temperature. No special storage conditions required.

The information and Technical data are based on MSPL's knowledge and experience. However MSPL assumes no Liability for such information or advise, relating to any third party Intellectual rights. MSPL reserves the right to make changes any time without prior notice.

### Madhu Silica Private Limited

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