



# MADHU SILICA PVT. LTD.

Leading Manufacturers Range of Precipitated Silicas and Silicates

## PRODUCT SPECIFICATION

◆ PRODUCT	: PRECIPITATED SILICA
◆ GRADE	: <b>MFIL-200(S) DF</b>
◆ PACKING	: 25 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	---	White odorless micro pearl silica free from signs of impurity	IMS-WI-QC-003
2.	Loss on Drying, (Loss at 105°C, 2 hrs.)	%	6.0 Max.	IMS-WI-QC-003
3.	Loss on Ignition, on anhydrous basis (at 1000°C for 2 hrs)	%	6.0 Max.	IMS-WI-QC-003
4.	Bulk Density, Tapped (While material packed)	gm/Lit	230 – 270	IMS-WI-QC-003
5.	pH (in 5% aqu. Suspns.)	---	6.0 – 7.0	IMS-WI-QC-003
6.	Water absorption	%	230 Min.	IMS-WI-QC-003
7.	SiO <sub>2</sub> On anhydrous basis	%	98.50 Min.	IMS-WI-QC-003
8.	Soluble Salts	%	1.0 Max.	IMS-WI-QC-003
9.	Surface Area - BET	m <sup>2</sup> /gm	170 – 190	IMS-WI-QC-003
10.	Iron Content (Fe+3)	ppm	200 Max.	IMS-WI-QC-003
11.	DBP Absorption (On Barbender Automatic Oil Absorption)	cc/100gm	230 – 260	IMS-WI-RD-05
12.	Average size of agglomerates – D50 (By Malvern Instrument)	Micron	250 – 350	IMS-WI-QC-003
<b>Additional Parameters :</b>				
13.	Sieve analysis			
(a)	Sieve Residue on 60 Mesh	%	50.0 Min.	IMS-WI-QC-003
(b)	Sieve Residue on 100 Mesh	%	90.0 Min.	IMS-WI-QC-003
(c)	Sieve Residue through 200 Mesh	%	1.0 Max.	IMS-WI-QC-003