



MADHU SILICA PVT. LTD.

Leading Manufacturers Range of Precipitated Silicas and Silicates

PRODUCT SPECIFICATION

◆ PRODUCT	: PRECIPITATED SILICA - Spray Dried
◆ GRADE	: MFIL-P(S) (AC Milled)
◆ PACKING	: 15.0 / 20.0 Kgs.(Laminated HDPE bags with LDPE inserts) Jumbo bag
◆ 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.)	%	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	60.0 to 120.0	IMS-WI-QC-003
5.	pH (in 5% aqu. Suspns.)	---	6.0 to 7.0	IMS-WI-QC-003
6.	Water Absorption	%	240 Min.	IMS-WI-QC-003
7.	Residue on 325 mesh (Wet Sieving)	%	0.50 Max.	IMS-WI-QC-003
8.	SiO ₂ , on anhydrous basis	%	98.50 Min.	IMS-WI-QC-003
9.	Soluble Salts	%	1.0 Max.	IMS-WI-QC-003
10.	Surface Area –BET	m ² /gm	180 Min.	IMS-WI-QC-003
11.	Iron Content (Fe+3)	ppm	200 Max.	IMS-WI-QC-003
12.	Average Particle Size- D50 (By Malvern Instrument)	Microns	11.0 to 14.0	IMS-WI-QC-003
13.	Total Heavy Metals(as Pb)	ppm	10.0 Max.	IMS-WI-QC-003

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.

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