

**UNISIL –FO1 and UNISIL-FO2 are food grade silica for use as an anti-caking agent and grinding aid in several food applications**

**Silica is chemically inert, tasteless and odorless. UPIIL manufacture food grade product under GMP conditions**



Properties	Unit	UNISIL-FO1	UNISIL-FO2
			Milled Powder
Appearance		White Free Flowing Powder	White Free Flowing Powder
BET Surface Area	m <sup>2</sup> /gm	160-220	160-220
Moisture	%	Max 6	Max 8
Loss on Ignition (anhydrous basis)	%	Max 6	Max 6
Bulk Density, Tapped	g/l	80-130	60-120
pH		6.0-7.0	6.0-8.0
SiO <sub>2</sub> on anhydrous basis	%	Min 98.5	Min 98.5
Soluble Salts	%	Max 1	Max 2
Residue on 325 Mesh (Wet sieve method)	%	Max 1	Max 0.5
Heavy metals (as Pb)	ppm	Max 15	Max 15
Linseed oil absorption	cc/100gm	Min 280	Min 280
Microbiological Analysis			
TVC	cfu/gm	<300	<300
Y&M	cfu/gm	<100	<100
Packing	Kgs	25	25



**Unnati**

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