

UNISIL –DT is grade for use as a thixotropic agent/thickener in toothpastes and cosmetics

UNISIL-DA is a range of silica powders with abrasiveness from low (70 RDA) to high (200 RDA) for use in dentrifices



Properties	Unit	UNISIL-DT	UNISIL-DA
Appearance		White Free Flowing Powder	White Free Flowing Powder
BET Surface Area	m ² /gm	160-220	
Moisture	%	Max 6	Max 8
Loss on Ignition (anhydrous basis)	%	Max 6	Max 6
Bulk Density, Tapped	g/l	80-130	250-450
pH		6.0-7.0	6.0-8.0
SiO ₂ on anhydrous basis	%	Min 98.5	Min 98.0
Soluble Salts	%	Max 1	Max 2
Residue on 325 Mesh (Wet sieve method)	%	Max 1	Max 2
Refractive index		1.4350-1.4600	1.4350-1.4600
Heavy metals (as Pb)	ppm	Max 15	Max 15
Arsenic	ppm	Max 2	Max 2
Linseed oil absorption	cc/100gm	250-300	55-120
Relative Dentin Abrasion (RDA)			70-200
Microbiological Analysis			
TVC	cfu/gm	<300	<300
Y&M	cfu/gm	<100	<100
Packing	Kgs	25	25



Unnati

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