

SPECIFICATION SHEET-FINISHED PRODUCT

Material Name: Colloidal Silicon Dioxide BP

CAS No. 7631-86-9			
Mol. Formula		SiO ₂	Mol. Weight 60.1 gm/mol
Sr. No.	Test	Specification	
1	Description*	White or almost white, light, fine, amorphous powder.	
2	Solubility	Practically insoluble in water & in mineral acids except hydrofluoric acid. It dissolves in hot solutions of alkali hydroxides.	
3	Identification	It gives reaction of silicates.	
4	pH	3.5 to 5.5	
5	Chlorides	Not more than 250 ppm	
6	Heavy metals	Not more than 25 ppm	
7	Loss on ignition	Not more than 5.0 %	
8	Assay *	99.0 % to 100.5 % of SiO ₂	

*Re-testing parameter.