



CERTIFICATE OF ANALYSIS

Date: 01/02/18

PRODUCT NAME : SILICON DIOXIDE

CAS No : 7631-86-9
Mol. Formula : SiO_2
A .WT : 60.08
Exp. : Jan.2023

Product code : 17938
Batch No : MCR-15390
Mfd. : Feb. 2018

S.R	Test	Specification	Observation
1	Specific Surface Area (BET)	100 – 140 m ² /gm	110 m ² /gm
2	Whiteness	102 - 104	104
3	Moisture Loss (2 Hrs / 105°C)	4 – 6 % by Wt	4.12 % by Wt
4	Ignition Loss (2 Hrs / 1000°C)	4 – 6 % by Wt	4.2 % by Wt
5	pH of 5% aqueous suspension	6.8 - 7.2	6.88
6	Water Absorption	270 – 300 % by Wt	280 % by Wt
7	Bulk Density	70 – 90 gms / lit	80 gms / lit
8	Sieve Residue (on 325 mesh)	1-2 % by Wt	1.4 % by Wt
9	Purity - Silica SiO_2	98.00 % by Wt (min.)	98.2 % by Wt
10	Aluminium as Al_2O_3	0.20 % by Wt (max.)	0.1 % by Wt
11	Sodium Sulphate as Na_2SO_4	2.00 % by Wt (max.)	1.6 % by Wt
12	Iron as Fe_2O_3	0.05 % by Wt (max.)	0.02 % by Wt
13	Copper & Manganese	5.00 ppm (max.)	<5.00 ppm

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

HEAD-QUALITY ASSUARANCE
(G.G.Salian)

Note: Computer generated image requires no sign.

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