

CERTIFICATE OF ANALYSIS

PRODUCT NAME : SILICON DIOXIDE

CAS No : 7631-86-9

Mol. Formula : SiO₂

A .WT : 60.08

Date of analysis : 29/08/23

Product code : 17938

Batch No : MCR-20437-02

Mfd. : Aug. 2023

Exp. : July 2028

S.R	Test	Specification	Observation
1	Description	White powder.	White powder.
2	Specific Surface Area (BET)	100 – 140 m ² /gm	130 m ² /gm
3	Whiteness	102 - 104	103
4	Moisture Loss (2 Hrs / 105°C)	4 – 6 % by Wt	4.13% by Wt
5	Ignition Loss (2 Hrs / 1000°C)	4 – 6 % by Wt	4.25 % by Wt
6	pH of 5% aqueous suspension	6.8 - 7.2	6.83
7	Water Absorption	270 – 300 % by Wt	280 % by Wt
8	Bulk Density	70 – 90 gms / lit	80 gms / lit
9	Sieve Residue (on 325 mesh)	1-2 % by Wt	1.3 % by Wt
10	Purity - Silica SiO ₂	98.00 % by Wt (min.)	98.28% by Wt
11	Aluminium as Al ₂ O ₃	0.20 % by Wt (max.)	0.12 % by Wt
12	Sodium Sulphate as Na ₂ SO ₄	2.00 % by Wt (max.)	1.3 % by Wt
13	Iron as Fe ₂ O ₃	0.05 % by Wt (max.)	0.04 % by Wt
14	Copper & Manganese	5.00 ppm (max.)	<5.00 ppm

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

**CHEMIST
(Ruchi)**

**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

Note: Computer generated image requires no sign.

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