सीएसआईआर–केन्द्रीय कॉच एवं सिरामिक अनुसंधान संस्थान
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)
विज्ञान एवं प्रौद्योगिकी मंत्रालय के अधीन, भारत सरकार
196, राजा एस. सी. मल्लिक रोड, कोलकाता - 700 032, भारत
CSIR - CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE
(Council of Scientific & Industrial Research)
Under Ministry of Science & Technology, Government of India
196, Raja S. C. Mullick Road, Jadavpur, Kolkata - 700 032, India

TEST REPORT

Report No. GC/3631/TCC/4193-4194/24-25	Issue date : 31.01.2025
ISSUED TO :	
M/s Shivalik Silica **5/94A, Bhawani Singh Lane** **C-Scheme, Jaipur- 302015,** **Rajasthan, India**	Customer Ref. No. Nil dated : 23.12.2024 Other Information if any Nil
Registration No : GC/3631/TCC/4193-4194/24-25 dated : 09.01.2025	email to : **testing_cell@cgcri.res.in**

Description of sample received : One type of Quartzite sample (as declared by the agency)

Name of Test(s) desired & done : Determination of % SiO_2, Al_2O_3, Fe_2O_3 TiO_2, CaO, MgO, Na_2O, K_2O, Loss on ignition and Pyrometric Cone Equivalent (PCE)

Report/Result | **Page: 1 of 1**

Report for Chemical Analysis

Constituents	Mean (% wt.)	SD	Method used
SiO_2	98.36	± 0.22	Gravimetry
Al_2O_3	0.25	± 0.00	ICP - OES
Fe_2O_3	0.09	± 0.00	-do-
TiO_2	0.04	± 0.00	-do-
CaO	0.02	± 0.02	-do-
MgO	0.08	± 0.01	-do-
Na_2O	0.03	± 0.03	-do-
K_2O	0.34	± 0.00	-do-
LOI	0.85	± 0.06	Gravimetry

Report for Pyrometric Cone Equivalent (PCE)

PCE value :- 31-32 Orton Cone
Note: PCE test has been performed following IS 1528, part-1.

This report refers only to the particular sample(s) submitted for test & the sample(s) was / were not drawn by us.

Prepared by:
31.1.25
(Ms. Ruma Chakraborty)
Sr. Technical Officer-II, TCC

Issued by:
31/01/2025
(Dr. Jiten Ghosh)
Sr. Principal Scientist and Head, TCC

डालमिया ईनष्टिच्युट ऑफ
साइन्टिफिक एण्ड इण्डस्ट्रियल
रिसर्च

DALMIA INSTITUTE
OF SCIENTIFIC &
INDUSTRIAL RESEARCH
POST BOX NO 2, RAJGANGPUR - 770017
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Ref : RGDI: 809S/01

16 March 2023

To
M/S Shivalik Silica
H. No. 1 Swarn Jayanti Nagar,
Near Kali Bagichi Petrol Pump,
Bharatpur-321001 (Rajasthan)

Dear Sir,

With reference to your mail dated 03.03.23, we furnish below the evaluation report of quartzite samples sent by you.

Sample Description	PT/SS/1	PT/SS/2
SiO2 %	98.35	97.85
CaO %	0.35	0.43
Fe_2O_3 %	0.41	1.05
Al_2O_3 %	0.32	0.42
Alkali %	0.04	0.03

Thanking you;

Yours Faithfully
For Dalmia Institute of Scientific
& Industrial Research

(Dr.P.R.Rauta)
Sr Manager, R&D

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