

सीएसआईआर-केन्द्रीय कॉच एवं सिरामिक अनुसंधान संस्थान

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)

विज्ञान एवं प्रौद्योगिकी मंत्रालय के अधीन, भारत सरकार

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CSIR-CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE

(Council of Scientific & Industrial Research)

Under Ministry of Science & Technology, Government of India

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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 % SiO₂, Al₂O₃, Fe₂O₃, TiO₂, CaO, MgO, Na₂O, K₂O, 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 ₂ O ₃	0.25	± 0.00	ICP - OES
Fe ₂ O 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 ₂ O	0.03	± 0.03	-do-
K ₂ O	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.

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