

SILICA FUME



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Test Certificate for Silica Fume: Silica Fume Supplied to Market 10kg Bags February & March 2023

Test Report No.: 23#46

Sampling location *GBC Mount Maunganui Service Centre, NZ*
Sample date *10/01/23*
Origin of Silica Fume *Qinghai Province, China.*
Physical form *Fine Grey Powder*
Grade *Densified*

Sample Batch identification: **Batch MPO 33 10kg Bags**

Property	Result	Test Method	AS/NZS 3582.3 Requirements	Testing Authority
Moisture %	0.5	AS 3583.2	3.0 max	GBC Portland
Loss on Ignition %	3.7	AS 3583.3	6.0 max	GBC Portland
SO ₃ %	0.3	AS 3583.8	3.0 max	Cement Australia
SiO ₂ %	91.7	XRF	> 85	Cement Australia
Total Alkali Content (Na ₂ O equiv.) %	0.57	XRF	-	Cement Australia
Chloride Ion %	0.037	AS 3583.13	-	Cement Australia
Surface Area BET m ² /g	18.6	BET ASTM C1069	-	Auckland University
Strength Index %	131	ASTM C1240	-	Cement Australia

Note: The above samples were tested as received in accordance with methods stated in the AS/NZS 3582.3.

Note: Auckland University is not IANZ Accredited for the BET Surface Area test.

A handwritten signature in black ink, appearing to read "Vincent Lane".

Date: 01/05/2023

Vincent Lane
Works Chemist
Golden Bay Cement

