

# SILICA FUME



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## Test Certificate for Silica Fume: Silica Fume Supplied to Market 10kg Bags October 2023

### Test Report No. 23#156

Sampling location *GB Mount Maunganui Service Centre, NZ*  
Sample date *4/10/23*  
Origin of Silica Fume *Qinghai Province, China.*  
Physical form *Fine Grey Powder*  
Grade *Densified*

#### Sample Batch identification: **Batch MPO 45 10kg Bags**

Property	Result	Test Method	AS/NZS 3582.3 Requirements	Testing Authority
Moisture %	0.62	AS 3583.2	3.0 max	GB Portland
Loss on Ignition %	2.39	AS 3583.3	6.0 max	GB Portland
SO <sub>3</sub> %	0.6	AS 3583.8	3.0 max	Cement Australia
SiO <sub>2</sub> %	92.5	XRF	> 85	Cement Australia
Total Alkali Content (Na <sub>2</sub> O equiv.) %	1.29	XRF	-	Cement Australia
Chloride Ion %	0.082	AS 3583.13	-	Cement Australia
Surface Area BET m <sup>2</sup> /g	17.3	BET ASTM C1069	-	Auckland University
Strength Index %	118	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 "V. Lane".

Date: 2/08/2024

Vincent Lane  
Works Chemist  
Golden Bay

