

# SILICA FUME



810 Great South Road, Penrose,  
Auckland 1061,  
New Zealand.  
Telephone: 0800 CEMENT (236 368)  
E-mail: order@goldenbay.co.nz

## Test Certificate for Silica Fume: Silica Fume Supplied to Market 10kg Bags August 2024

### Test Report No. 24#170

Sampling location *GB Mount Maunganui Service Centre, NZ*  
Sample date *20/08/24*  
Origin of Silica Fume *Qinghai Province, China.*  
Physical form *Fine Grey Powder*  
Grade *Densified*

Sample Batch identification: **Batch 491788 10kg Bags**

Property	Result	Test Method	AS/NZS 3582.3 Requirements	Testing Authority
Moisture %	0.58	AS 3583.2	3.0 max	GB Portland
Loss on Ignition %	2.02	AS 3583.3	6.0 max	GB Portland
SO <sub>3</sub> %	0.40	AS 3583.8	3.0 max	Cement Australia
SiO <sub>2</sub> %	94.40	XRF	> 85	Cement Australia
Total Alkali Content (Na <sub>2</sub> O equiv.) %	0.85	XRF	-	Cement Australia
Chloride Ion %	0.140	AS 3583.13	-	Cement Australia
Surface Area BET m <sup>2</sup> /g	15.9	BET ASTM C1069	-	GB Portland
Strength Index %	126	ASTM C1240	-	Cement Australia

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

Note: GB Portland is not IANZ Accredited for the BET Surface Area test.

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

Date: 12/12/2024

Vincent Lane  
Works Chemist  
Golden Bay

