

# SILICA FUME



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## Test Certificate for Silica Fume: Silica Fume Supplied to Market 10kg Bags January 2025

### Test Report No. 25#40

Sampling location	GB Mount Maunganui Service Centre, NZ
Sample date	20/01/25
Origin of Silica Fume	Qinghai Province, China.
Physical form	Fine Grey Powder
Grade	Densified

#### Sample Batch identification: Batch 496539 10kg Bags

Property	Result	Test Method	AS/NZS 3582.3 Requirements	Testing Authority
Moisture %	0.52	AS 3583.2	3.0 max	GB Portland
Loss on Ignition %	1.60	AS 3583.3	6.0 max	GB Portland
SO <sub>3</sub> %	n/a	AS 3583.8	3.0 max	Cement Australia
SiO <sub>2</sub> %	95.10	XRF	> 85	Cement Australia
Total Alkali Content (Na <sub>2</sub> O equiv.) %	0.79	XRF	-	Cement Australia
Chloride Ion %	0.210	AS 3583.13	-	Cement Australia
Surface Area BET m <sup>2</sup> /g	n/a	BET ASTM C1069	-	GB Portland
Strength Index %	122	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.

Date: 07/04/2025

Vincent Lane  
Works Chemist  
Golden Bay

