



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: Microsilica SF

Test Report No.: 22#34

Sampling location *GBC Mount Maunganui Service Centre, NZ*  
Sample date *01/03/22*  
Origin of Silica Fume *Qinghai Province, China.*  
Physical form *Fine Grey Powder*  
Grade *Densified*

**Sample Batch identification: Batch 3237G 10kg Bags**

Property	Result	Test Method	AS/NZS 3582.3 Requirements	Testing Authority
Moisture %	0.9	AS 3583.2	3.0 max	GBC Portland
Loss on Ignition %	2.4	AS 3583.3	6.0 max	GBC Portland
SO <sub>3</sub> %	0.5	AS 3583.8	3.0 max	Cement Australia
SiO <sub>2</sub> %	86.8	XRF	> 85	SpectraChem Analytical Ltd
Total Alkali Content (Na <sub>2</sub> O equiv.) %	1.98	XRF	-	SpectraChem Analytical Ltd
Chloride Ion %	0.160	AS 3583.13	-	Cement Australia
Surface Area BET m <sup>2</sup> /g	17.7	BET ASTM C1069	-	Auckland University
Strength Index %	111	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.

Raki Harding  
Quality Manager  
Golden Bay Cement



Date: 06/04/22