



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

Test Certificate for Silica Fume: Microsilica SF

Test Report No.: 21#128

Sampling location *GBC Mount Maunganui Service Centre, NZ*
Sample date *27/04/21*
Origin of Silica Fume *Qinghai Province, China.*
Physical form *Fine Grey Powder*
Grade *Densified*

Sample Batch identification: 3204B 10kg Bag

Property	Result	Test Method	AS/NZS 3582.3 Requirements	Testing Authority
Moisture %	1.1	AS 3583.2	3.0 max	GBC Portland
Loss on Ignition %	2.0	AS 3583.3	6.0 max	GBC Portland
SO ₃ %	0.6	AS 3583.8	3.0 max	Cement Australia
SiO ₂ %	93.3	XRF	> 85	SpectraChem Analytical Ltd
Total Alkali Content (Na ₂ O equiv.) %	1.54	XRF	-	SpectraChem Analytical Ltd
Chloride Ion %	0.085	AS 3583.13	-	Cement Australia
Surface Area BET m ² /g	16.3	BET ASTM C1069	-	Auckland University
Strength Index %	113	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.

Date: 1/07/2021

Raki Harding
Technical Manager
Golden Bay Cement

