

# SILICA FUME



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

### Test Report No. 24#98

Sampling location *GB Mount Maunganui Service Centre, NZ*  
Sample date *19/03/24*  
Origin of Silica Fume *Qinghai Province, China.*  
Physical form *Fine Grey Powder*  
Grade *Densified*

#### Sample Batch identification: **Batch MPO 54 10kg Bags**

| Property  | Result | Test Method    | AS/NZS 3582.3 Requirements | Testing Authority |
|---|--------|----------------|----------------------------|-------------------|
| Moisture %  | 0.60   | AS 3583.2      | 3.0 max                    | GB Portland       |
| Loss on Ignition %                                | 1.75   | AS 3583.3      | 6.0 max                    | GB Portland       |
| SO <sub>3</sub> %                                 | 0.4    | AS 3583.8      | 3.0 max                    | Cement Australia  |
| SiO <sub>2</sub> %                                | 94.8   | XRF            | > 85                       | Cement Australia  |
| Total Alkali Content (Na <sub>2</sub> O equiv.) % | 0.72   | XRF            | -                          | Cement Australia  |
| Chloride Ion %                                    | 0.035  | AS 3583.13     | -                          | Cement Australia  |
| Surface Area BET m <sup>2</sup> /g                | 15.9   | BET ASTM C1069 | -                          | GB Portland       |
| Strength Index %                                  | 97     | 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 blue ink, appearing to read "Vincent Lane".

Date: 2/08/2024

Vincent Lane  
Works Chemist  
Golden Bay

