



Test Certificate for Amorphous Silica.

Origin of Amorphous Silica - *Hydrothermal alteration of Ignimbrite and pumice breccia*
Physical form - *fine white powder*
Source of sample - *composite*
Date of Manufacture - *5th December – 24th December 2011 (Wks 49 – 51)*
Production quantity - *254.72 Tonnes.*
Sample identification - *MS 6571.*

PROPERTY	RESULT	TEST METHOD	TESTING AUTHORITY
Moisture Content	1.98%	AS 3583.2	Microsilica New Zealand Lab
Loss on Ignition	6.19%	AS 3583.3	SpectraChem Analytical Ltd
SO₃	0.05%	XRF	SpectraChem Analytical Ltd
SiO₂	85.56%	XRF	SpectraChem Analytical Ltd
Fineness < 2µm	52.6%	Sedigraph	Imerys Tableware NZ Ltd
Total Alkali Content (Na₂O equiv.)	0.17%	XRF	SpectraChem Analytical Ltd
Chloride Ion	0.02%	XRF	SpectraChem Analytical Ltd
Relative Strength	115%	ASTM C1240	Boral Construction Materials

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