



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 - *1st February to 27th February 2011 (Wks 05 to 08))*
Production quantity - 187.38 Tonnes
Sample identification - MS 6524

PROPERTY	RESULT	TEST METHOD	TESTING AUTHORITY
Moisture Content	1.92%	AS 3583.2	Microsilica New Zealand Lab
Loss on Ignition	5.05%	AS 3583.3	SpectraChem Analytical Ltd
SO ₃	0.03%	XRF	SpectraChem Analytical Ltd
SiO ₂	87.22%	XRF	SpectraChem Analytical Ltd
Fineness < 2µm	54.7%	Sedigraph	Imerys Tableware NZ Ltd
Total Alkali Content (Na ₂ O equiv.)	0.12%	XRF	SpectraChem Analytical Ltd
Chloride Ion	0.03%	XRF	SpectraChem Analytical Ltd
Relative Strength	123%	ASTM C1240	Boral Construction Materials

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