



LS20

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NEW ZEALAND

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Test Certificate for Amorphous Silica

Source of sample - *Naturally Occurring Amorphous Silica, Microsilica Site, Rotorua, NZ*

Origin of amorphous silica - *hydrothermal alteration of ignimbrite & pumice breccia.*

Physical form - *fine white powder*

Grade - *MS600*

Date of Manufacture - *2016 August 2nd 2016 to November 30th 2016 (weeks 32 to 48 inclusive)*

Production quantity - *317.60 tonnes*

Sample identification - *MS6701*

Property	Result	Test Method	Date of Test	Testing Authority
Moisture	1.52	AS 3583.2	08-12-16	MSNZ – Laboratory
Loss of Ignition	6.88	AS 3583.3	13-12-16	SpectraChem Analytical Ltd
SO ₃	0.07	XRF	13-12-16	SpectraChem Analytical Ltd
SiO ₂	82.90	XRF	13-12-16	SpectraChem Analytical Ltd
Total Alkali Content (Na ₂ O equiv.)	0.30	XRF	13-12-16	SpectraChem Analytical Ltd
Chloride Ion	0.01	XRF	13-12-16	SpectraChem Analytical Ltd
Fineness	3.7um@50%	PSD	24-02-17	PsS Australia
Relative Strength	109%	ASTM C1240	26-01-17	Boral Construction Materials
BET	15.7152 m ² /g	MicroActive 4	24-02-17	Boral Construction Materials


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 Date

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