

MATERIAL SAFETY DATA SHEET

MICRO SILICA	
STANDARD	ASTM C-1240
SiO ₂	90 – 92%
+45 Microns	5% Max
LOI	3% Max
Moisture	2.5% Max
SO ₃	2% Max
MgO	5% Max
Alkali content (Na ₂ O + 0.658 K ₂ O)	1.5% Max
Chloride content	0.1% Max
Free CaO	1% Max
Free SiO ₂	0.4% Max
Density	500 - 600 Kg/m ³

MICRO SILICA	
STANDARD	BS 4550
SiO ₂	90 – 92%
+45 Microns	3% Max
LOI	3% Max
Moisture	2.5% Max
SO ₃	2% Max
MgO	5% Max
Alkali content (Na ₂ O + 0.658 K ₂ O)	1.5% Max
Chloride content	0.1% Max
Free CaO	1% Max
Free SiO ₂	0.4% Max
Density	500 - 600 Kg/m ³

Maxworth International Pty Ltd

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SI No	Parameters	Results (%)	Actuals	Standards
1	SiO ₂	92.68	88 - 93	ASTM C - 1240
2	LOI (at 750°C)	3.01	4% Max	ASTM C - 1240
3	+45 Microns	2.90	5% Max	ASTM C - 1240
4	Al ₂ O ₃	0.45	< 2%	ASTM C - 1240
5	Fe ₂ O ₃	0.30	< 1%	ASTM C - 1240
6	SO ₃	0.16	< 1%	ASTM C - 1240
7	MgO	0.42	< 1%	ASTM C - 1240
8	K ₂ O	0.21	< 1%	ASTM C - 1240
9	Na ₂ O	0.59	< 1%	ASTM C - 1240
10	pH Value		7.5% Max	ASTM C - 1240
11	Density	578	500 - 600 Kg/m ³	ASTM C - 1240
12	Specific Surface Area (B.E.T)		> 16M ² /gm	
13	Pozzolanic Activity Index (7 Days)	109	105% Min	
14	Pozzolanic Activity Index (28 Days)	119	117% Min	

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