



Excellens Products Inc.

Certificate of Analysis

Metakaolin, Type N Pozzolan

Standards/tests:	CSA A3001-08 & ASTM C618-08		
Product:	Type N Pozzolan for cement & concrete		
Chemical properties	Result*	CSA	ASTM
Sum of SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ (%)	84	----	70% min
Sulphur Trioxide, SO ₃ (%)	0.06	3% max	4% max
Loss on ignition at 800°C (%)	1.88	10 % max	10 % max
Moisture content (%)	<1.0	----	3 % max
Physical properties			
Finesse, oversized retained on 45 µm (%)	<20	34% max	34% max
Specific gravity/density (g/cm ³)	2.06	----	----
Soundness, autoclave expansion (%)	-0.02	0.8% max	0.8% max
Water requirement	110	----	115% max
Strength activity index:			
- 7 days	97	75% min	75% min
- 28 days	97	75% min	75% min
Uniformity requirements			
Specific gravity/density	<5%	----	5% max
Finesse, oversized retained on 45 µm (%)	<5%	----	5% max

***Typical results**

Manufactured for and distributed exclusively by:



Excellens Products Inc.

excellensproducts@shaw.ca
1-604-949-1660