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FERRO SILICON SILICA FUME TEST REPORT

Analysis By:	University of Sherbrooke, QC
Sample From:	Chicoutimi Ferro Silicon Plant
Date Prepared:	May 15, 2010
Average Analysis:	April 1, 2010 to April 30, 2010

Chemical Analysis

SiO ₂	86.45%
Fe ₂ O ₃	3.16%
Al ₂ O ₃	0.53%
CaO	0.60%
MgO	1.17%
C	4.07%

Physical Characteristics of Ferro Silicon Silica Fume

Specific Surface Area (M ² /g)	21.30
Bulk Density (kg/m ³) (densified)	700.00
Fineness Retained on 45µm (No. 325 Sieve)	0.19%
Autoclave Expansion	0.003%
Pozzolanic Activity Index	114.00%
Tendency to Entrap Air	No visible foam
Moisture Content	0.50%

Our Silica Fume meets chemical and physical requirements for Cementing Materials and Blended Supplementary Cementing Materials of CAN/CSA – A3000-08 for type SF; and, ASTM C1240 (2004).