

TYPICAL CEMENT CERTIFICATE

Moderate sulphate-resistant cement type

MS

Physical tests

Chemical analysis (%)

Time of Set Vicat (minutes)
Initial 120
Final..... 245

Fineness
Specific surface (Blaine) (m²/kg) 386
Retained on 45 µm sieve (%)..... 4

False set (%) 67
Autoclave expansion (%)..... 0.12
Air content (%)..... 7

Compressive strength (MPa)
3 days 26.2
7 days 30.7
28 days 37.5

Expansion of mortar bars at 14 days (%) 0.014
Sulphate resistance, expansion at 14 days (%) 0.048

SiO₂ 19.1
Al₂O₃ 4.9
Fe₂O₃ 3.7
CaO 60.5
Free Lime 1.4
MgO 2.6
SO₃ 3.8
Loss on ignition 1.9
Insoluble residue 0.4
Total alkali (Na₂O equivalent) 0.92

Mineralogical composition
C₃S 52.0
C₂S 15.6
C₃A 6.8
C₄AF 11.1

We hereby certify that the cement delivered complies with the CSA Standard A3000-13 requirements section A3001-13, Type MS.

For any information regarding this certificate, please contact our technical service at (418) 329-2100, ext. 3276.

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