

Cement Mill Test Report

Plant: Product:

Mill Test Report # Manufactured:

Kamloops, British Columbia **Portland Cement Type GUL** Kamloops_Type GUL_12_24 November 2024

CSA A3001-23 Standard Requirements

CHEMICAL ANALYSIS			PHYSICAL ANALYSIS		
Item	Spec limit	Test Result	Item	Spec limit	Test Result
Rapid Method, X-Ray			Air content of mortar (%) (C 185)		7.5
SiO2 (%)		19.6			
Al2O3 (%)		4.6	Blaine Fineness (m2/kg)		540
Fe2O3 (%)		3.3			
CaO (%)		61.7	Passing 45 um (%)	72 min	1.7
MgO (%)		1.2			
SO3 (%)	3.0 max*	3.2			
Loss on ignition @ 950 (%)	10.0 max	2.9			
			Compressive strength (MPa)		
Insoluble residue (%)		0.89			
Free Lime (%)		1.0	3 days	14.5 min	33.5
			7 days	20.0 min	40.7
Inorganic Process Addition (%)		0.0	28 days (Reflects previous month's data)	26.5 min	49.8
			Time of setting (minutes)		
Potential Phase Composition			Vicat Initial	45-375	96
C3A%		7			
			Sulphate Resistance (C6)		0.05
			A30004-C5	0.020 Max	0.00
			Cement Density		3.14

CSA A3001-18 Optional Chemical Requirements:

NaEq (Alkali) (%)

0.50 * May exceed 3.0% SO3 maximum based on our A3004-C5 results of <0.020% expansion at 14 days.

We certify that the above described cement, at the time of shipment, meets the chemical and physical requirements of CSAS A3001 Type GUL

Certified By:

Questions or enquiries can be directed to Paul Deram

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