



Cement Mill Test Report

Plant: Kamloops, British Columbia
Product: Portland Cement Type GUL
Mill Test Report # Kamloops_Type GUL_6_25
Manufactured: May 2025

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
SiO ₂ (%)	---	20.0	Blaine Fineness (m ² /kg)	---	541
Al ₂ O ₃ (%)	---	4.8	Passing 45 um (%)	72 min	1.8
Fe ₂ O ₃ (%)	---	3.2			
CaO (%)	---	63.1	Compressive strength (MPa)		
MgO (%)	---	1.0	3 days	14.5 min	28.7
SO ₃ (%)	3.0 max*	3.3	7 days	20.0 min	41.3
Loss on ignition @ 950 (%)	10.0 max	3.2	28 days (Reflects previous month's data)	26.5 min	49.2
			Time of setting (minutes)		
Insoluble residue (%)	---	0.70	Vicat Initial	45-375	95
Free Lime (%)	---	1.0			
Inorganic Process Addition (%)		0.0	Sulphate Resistance (C6)	---	0.025
Potential Phase Composition					
C3A%	---	7	A30004-C5	0.020 Max	0.00
			Cement Density		3.14
CSA A3001-18 Optional Chemical Requirements:					
NaEq (Alkali) (%)		0.49			

* 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

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Questions or enquiries can be directed to Paul Deram

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Certified By:

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 5/30/2025