

## **Cement Mill Test Report**

Plant: Product: Mill Test Report # Manufactured:

## Kamloops, British Columbia

Portland Cement Type GUL Kamloops\_Type GUL\_2\_2024 January 2024

## CSA A3001-18 Standard Requirements

CHEMICAL ANALYSIS			PHYSICAL ANALYSIS		
Item	Spec limit	Test Result	Item	Spec limit	Test Resul
Rapid Method, X-Ray			Air content of mortar (%) (C 185)		6.2
SiO2 (%)		20.8			
AI2O3 (%)		4.9	Blaine Fineness (m2/kg)		513
Fe2O3 (%)		3.4			
CaO (%)		65.3	Passing 45 um (%)	72 min	2.6
MgO (%)		0.9			
SO3 (%)	3.0 max*	2.8			
Loss on ignition @ 950 (%)	10.0 max	2.6			
			Compressive strength (MPa)		
Insoluble residue (%)		1.56			
Free Lime (%)		1.0	3 days	14.5 min	33.1
			7 days	20.0 min	43.4
Inorganic Process Addition (%)		0.0	28 days (Reflects previous month's data)	26.5 min	50.6
			Time of setting (minutes)		
Potential Phase Composition			Vicat Initial	45-375	94
C3A%		7			
			Sulphate Resistance (C6)		0.035
			Cement Density		3.18
CSA A3001-18 Optional Chemical	Requirements:				
NaEq (Alkali) (%)	-	0.60			

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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: Robert D. Shoreporn Questions or enquiries can be directed to Paul Deram Western BU Paul Deram 5400 W Marginal Way SW Lafarge - Technical Services Engineer Robert Shogren Seattle, WA 98106 7591 #9 Road, Richmond, BC, V6W 0A6 Canada C +1 604 328 7793 **Technical Director** E paul.deram@lafarge.com 2/8/2024