Cement Mill Test Report

Plant:	**Kamloops, British Columbia**
Product:	**Portland Cement Type GUL**
Mill Test Report #	**Kamloops_Type GUL_6_24**
Manufactured:	**May 2024**

CSA A3001- 18 Standard Requirements

CHEMICAL ANALYSIS

Item	Spec limit	Test Result
Rapid Method, X-Ray		
SiO2 (%)	---	19.1
Al2O3 (%)	---	4.9
Fe2O3 (%)	---	3.1
CaO (%)	---	60.9
MgO (%)	---	0.8
SO3 (%)	3.0 max*	2.8
Loss on ignition @ 950 (%)	10.0 max	3.6
Insoluble residue (%)	---	1.10
Free Lime (%)	---	1.0
Inorganic Process Addition (%)		0.0
Potential Phase Composition		
C3A%	---	8

PHYSICAL ANALYSIS

Item	Spec limit	Test Result
Air content of mortar (%) (C 185)	---	6.5
Blaine Fineness (m2/kg)	---	537
Passing 45 um (%)	72 min	1.9
Compressive strength (MPa)		
3 days	14.5 min	33.4
7 days	20.0 min	39.2
28 days (Reflects previous month's data)	26.5 min	42.7
Time of setting (minutes)		
Vicat Initial	45-375	90
Sulphate Resistance (C6)	---	0.047
Cement Density		3.13

CSA A3001-18 Optional Chemical Requirements:

NaEq (Alkali) (%)	0.59

* 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 A3001-18 Type GUL

Certified By:

Western BU
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