



Cement Mill Test Report

Date of Issue: January 9, 2026

Plant:	Exshaw AB
Product:	Portland Cement Type IL (12)
Mill Test Report Number:	ESW_Type IL12 2025-12
Manufactured during the month of:	December 2025

CHEMICAL ANALYSIS			PHYSICAL ANALYSIS		
Item	Spec limit	Test Result	Item	Spec limit	Test Result
Rapid Method, X-Ray (XRF) (C114)			Blaine Fineness (m2/kg)		
SiO2 (%)	---	17.4		---	534
Al2O3 (%)	---	3.6			
Fe2O3 (%)	---	3.0	Retained 45 um (%)	24 max	0.6
CaO (%)	---	60.4			
MgO (%)	---	4.6	Air Content (%) (C186)	12 max	6
SO3 (%) **	3.0 max	3.5			
Loss on ignition @ 950 (%)	10.0 max	6.0	Compressive Strength MPA [psi] C109		
Loss on ignition @ 550(%)		0.8		MPa	psi
Insoluble residue (%)*	1.5 max	0.5	1 Day	20.0	[2,895]
			3 Day	13.0 [1890] min	32.1 [4,660]
Limestone Addition		12.4	7 Day	20.0 [2900] min	36.4 [5,277]
			28 Day <u>(Previous Month's Result)</u>	25.0 [3620] min	43.7 [6,340]
Inorganic Process Addition	5.0 max	0.5	Time of setting (minutes)		
(Cement Kiln Dust)			Vicat Initial	45 min	104
			Vicat Final	420 max	176
Specific Gravity (For Information Purposes Only)		3.10	Mortar Bar Expansion (%) (C1038)		
				0.020 max	0.015
Phase Composition (For Information Purposes Only)			Colour (For Information Purposes Only)		
C3A (Bogue Calculation)		4.6			35

Other Chemical Information:								
Na₂Oeq (%) Weekly Averages	Week 1	0.52	Week 2	0.54	Week 3	0.51	Week 4	0.51

* Previous Month's Results
 ** May exceed 3.0% SO3 maximum based on ASTM C1038 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 ASTM C595/C595M-24 & AASHTO M 240-24 STANDARD SPECIFICATIONS FOR TYPE IL (13).
 Exceptions: ASTM C430 is not within the current Scope of Accreditation.



Western BU - Exshaw Plant
 P.O. Box 160, Highway 1A, Exshaw AB T0L 2C0
 Phone: 403-673-3815

Certified By:

 John W Blair
 Quality Manager