



Cement Mill Test Report

Date of Issue: June 9, 2026

Plant: Exshaw AB
Product: Portland Cement Type IL (12)
Mill Test Report Number: ESW_Type IL12 2026-05
Manufactured during the month of: May 2026

CHEMICAL ANALYSIS

PHYSICAL ANALYSIS

Item	Spec limit	Test Result	Item	Spec limit	Test Result
Rapid Method, X-Ray (XRF) (C114)					
SiO ₂ (%)	---	17.3	Blaine Fineness (m ² /kg)	---	530
Al ₂ O ₃ (%)	---	3.7	Retained 45 um (%)	24 max	0.5
Fe ₂ O ₃ (%)	---	3.1	Air Content (%) (C186)	12 max	7
CaO (%)	---	60.5			
MgO (%)	---	4.4			
SO ₃ (%) **	3.0 max	3.4			
Loss on ignition @ 950 (%)	10.0 max	6.2			
Loss on ignition @ 550(%)		1.1			
Insoluble residue (%)*	1.5 max	0.4			
Limestone Addition		12.0			
Methylene Blue (D1)	1.2 Max	0.1			
CaO Content (Limestone)		49			
CaCO ₃ Content (Limestone)	75 Min	88			
CO ₂ (%)		42			
Inorganic Process Addition	5.0 max	0.5			
(Cement Kiln Dust)					
Phase Composition (For Information Purposes Only)					
C3A (Bogue Calculation)		4.4			

Other Chemical Information:

Na ₂ Oeq (%) Weekly Averages	Week 1	0.46	Week 2	0.46	Week 3	0.47	Week 4	0.48
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* Previous Month's Results

** May exceed 3.0% SO₃ maximum based on ASTM C1038 results of <0.020% expansion at 14 days.

*** C452 Maximum limit pertains to Type HS no limit specified for Blended Hydraulic Cements

We certify that the above described cement, at the time of shipment, meets the chemical and physical requirements of
ASTM C595/C595M-25 & AASHTO M 240-24 STANDARD SPECIFICATIONS FOR TYPE IL (12).

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
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Certified By:

John W Blair
Quality Manager

Our Exshaw Cement Plant proudly produces cement that qualifies as a Product of Canada, supporting domestic supply.