

Cement Mill Test Report

Date of Issue: March 4, 2025

Plant:

Product:

Mill Test Report Number:

Manufactured during the month of:

Exshaw AB

Portland Cement Type IL (12) VCM Only

ESW_Type IL12 2025-02-VCM

Feburary 2025

CHEMICAL ANALYSIS			PHYSICAL ANALYSIS				
Item	Spec limit	Test Result	Item		Spec limit	t Test Result	
Rapid Method, X-Ray (XRF) (C114)					•		
SiO2 (%)		17.1	Blaine Fineness (m2/kg)				576
Al2O3 (%)		3.5					
Fe2O3 (%)		3.0	Retained 45 um (%)		24 max		0.2
CaO (%)		59.6					
MgO (%)		4.5	Air Content (%) (C186)		12 max		6.7
SO3 (%) **	3.0 max	3.5					
Loss on ignition @ 950 (%)	10.0 max	6.8	Compressive Strength MPa [psi] C109			MPa	psi
Loss on ignition @ 550(%)		1.0	1 Day			20.6	[2,987]
Insoluble residue (%)*	1.5 max	0.6	3 Day		13.0 [1890] min	31.6	[4,582]
			7 Day		20.0 [2900] min	36.2	[5,249]
Limestone Addition		13.6	28 Day	(Previous Month's Result)	25.0 [3620] min	42.0	[6,090]
Specific Gravity (For Information Purposes Only)		3.12	II	etting (minutes) at Initial	45 min		96
Phase Composition (For Information Purposes Only)		Vicat findal		420 max 193			
C3A (Bogue) 4.4		4.4	VIC.	at Filiai	420 IIIax		193
COA (Bogue)		4.4	Mortar Ba	Mortar Bar Expansion (%) (C1038) 0.0		•	0.014
			Colour (I	For Information Purposes Only)		36

Other Chemical Information:

Na₂Oeq (%) Weekly Averages Week 1 0.52 Week 2 0.48 Week 3 0.51 Week 4 0.5

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 (12).

Exceptions: ASTM C430 is not within the current Scope of Accrediation.

Lafarge Canada Inc. - Exshaw Plant P.O. Box 160, Highway 1A, Exshaw AB TOL 2C0

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Certified By:

John W Blair Quality Manager

^{*} Previous Month's Results

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