



1601 Rockwell Road LaSalle, IL 61301
(815)224-2112

MILL TEST REPORT

Cement Type: IL(12)
Production Period: August 1 - 31, 2023
Report Date: October 4, 2023

Chemical Data		Spec Limit	Test Result
Al ₂ O ₃ (C 114)	%	+/- 2	4.9
Fe ₂ O ₃ (C 114)	%		2.15
SiO ₂ (C 114)	%	+/- 3	17.7
CaO (C 114)	%	+/- 3	61.04
SO ₃ (C 114)	%		4.09
MgO (C114)	%		4.39
Ignition Loss (LOI) (C 114)	%	10.0 max	6.1
Equivalent Alkalies (C 150)	%		0.96
Limestone (C 150)	%	12.0 target	12.6
CaCO ₃ in Limestone (C 150)	%	70 min	88

Physical Data		Spec Limit	Test Result
Air Content (C185)	%	12 max	6.5
Blaine Fineness (C204)	m ² /kg		426
325 Fineness (C430)	% <		96.8
Specific Gravity (C188)	g/cm ³		3.1
Expansion, Mortar Bar (C 1038)	%	0.020 max	
Compressive Strength (C109)			
1 day	psi		2575
3 days	psi	1890 min	3941
7 days	psi	2900 min	4692
28 days	psi	3620 min	5884
Time of Setting (Vicat) (C191)			
Initial	min	45 min	113
Final	min	420 max	210

Notes:

We certify that the above described cement at the time of shipment meets the chemical and physical requirements of the ASTM C 595, and AASHTO M 240 specifications. The above data represents the average for above stated production period. When subjected to the autoclave expansion test the specimens remained firm and hard and showed no signs of distortion, cracking, checking, pitting, or disintegration.

Kevin Jensen
Quality Control Manager

Date 10/4/2023