LAFARGE CEMENT

eco
60% reduction in CO_2
40% recycled materials

MaxCem 50 Mill Test Report

Month of Issue: June 2022

Plant:	**Seattle, Washington**
Product:	**Type IS(50)**
Month of Production:	**May 2022**
Mill Test Report Number:	**SEA_MAXCEM50_June2022**

ASTM C 595-17 Standard Requirements

CHEMICAL ANALYSIS

Item	Spec limit	Test Result
Rapid Method, X-Ray *(C 114)*		
SiO2 (%)	---	26.4
Al2O3 (%)	---	9.0
Fe2O3 (%)	---	2.1
CaO (%)	---	54.3
MgO (%)	---	3.3
Sulphate as SO3 (%)	3.0 max*	2.9
Sulfide Sulfur (S) (%)	2.0 max	0.33
Loss on ignition (%)	10.0 max	2.6
Total Alkalis (Type I)	---	0.48
Slag addition (%)		50
Type I (%)		50

PHYSICAL ANALYSIS

Item	Spec limit	Test Result
Air content of mortar (%) *(C 185)*	12 max	5
Blaine Fineness (m2/kg) *(C 204)*	---	427
Fineness, Residue retained on a 45 um sieve (%)	---	3.8
Autoclave expansion (%) *(C 151)*	0.80 max -0.20 min	-0.02
Compressive strength (MPa, [PSI]) *(C 109)*		
7 days	[2900] min	4320.0
28 days	[3620] min	6610.0
Time of setting (minutes) Vicat Initial *(C 191)*	45 - 420	136
False Set (%)	---	84.0

*Table 1 chemical requirements states that SO3 content above 3.0 is permissible if the C1038 expansion is below 0.020% at 14 days.

We certify that the above described cement, at the time of shipment, meets the chemical and physical ASTM C595 Standard Requirements.

Lafarge PNW - Seattle Plant
5400 W. Marginal Way SW, Seattle, WA 98106
Phone: 206-937-8025

Certified By:

Robert S. Shogren

Rob Shogren - Technical Director

June 9, 2022