



Capitol Cement  
 11551 Nacogdoches Rd.  
 San Antonio, TX 78217

Type I Cement - C 150/C 150M

Date: July 8, 2024

Production Period:

Beginning June 1, 2024

Ending June 30, 2024

CHEMICAL			PHYSICAL		
Item	Spec. Limit	Test Result	Item	Spec. Limit	Test Result
SiO2 (%)	A	<u>20.4</u>	Air Content of Mortar (volume %)	12 <i>maximum</i>	<u>8.7</u>
Al2O3 (%)	A	<u>5.7</u>	Blaine Fineness (m2/kg)	260 <i>minimum</i>	<u>408</u>
Fe2O3 (%)	A	<u>1.9</u>	Autoclave Expansion (%)		<u>          </u>
CaO (%)	A	<u>66</u>	ASTM C1038		<u>0.005</u>
MgO (%)	6.0 <i>maximum</i>	<u>1.0</u>	Time of Setting (minutes)		
SO3 (%)	3.5 <i>D</i>	<u>4.1</u>	Vicat, Initial	45	<u>88</u>
Na2O (%)	A	<u>0.10</u>	Vicat, Final	375	<u>240</u>
K2O (%)	A	<u>0.51</u>	Compressive Strength		
Equivalent alkalis (%)		<u>0.44</u>	1 Day (psi)	A	<u>2,200</u>
	<i>minimum</i>	<u>0.43</u>	3 Day (psi)	<i>minimum (1740)</i>	<u>4,240</u>
	<i>maximum</i>	<u>0.45</u>	7 Day (psi)	<i>minimum (2760)</i>	<u>5,220</u>
Ignition Loss (%)	3.5 <i>maximum</i>	<u>2.3</u>	28 Day (psi) (May)	A	<u>6,870</u>
Insoluble Residue (%)	1.5 <i>maximum</i>	<u>0.43</u>			
Limestone (%)	5.0 <i>maximum</i>	<u>1.58</u>			
CO2 (%)	A	<u>0.68</u>			
CaCO3 in Limestone (%)		<u>87</u>			
C3A (%)	A	<u>12</u>			
C3S (%)	A	<u>63</u>			
C2S (%)	A	<u>11</u>			
C4AF (%)	A	<u>6</u>			

A Not Applicable

D Note D additional information upon request.

We certify that the above cement, at the time of shipment meets the chemical and physical requirements of the current ASTM C 150 and AASHTO M 85 specifications. The above data represents the averages of representative samples from production. This product is made in the U.S.A.

**Douglas Conroy, Chief Chemist**