



Capitol Cement  
 11551 Nacogdoches Rd.  
 San Antonio, TX 78217

Type III Cement - C 150/C 150M

Date: November 12, 2024

Production Period:

Beginning September 1, 2024

Ending September 30, 2024

CHEMICAL			PHYSICAL		
Item	Spec. Limit	Test Result	Item	Spec. Limit	Test Result
SiO2 (%)	A	<u>19.8</u>	Air Content of Mortar (volume %)	<i>12 maximum</i>	<u>9.1</u>
Al2O3 (%)	A	<u>5.6</u>			
Fe2O3 (%)	A	<u>1.8</u>	Blaine Fineness (m2/kg)		<u>505</u>
CaO (%)	A	<u>65</u>			
MgO (%)	<i>6.0 maximum</i>	<u>1.1</u>	ASTM C1038	<i>max 0.02%</i>	<u>0.005</u>
SO3 (%)	<i>4.5 D</i>	<u>4.8</u>			
Na2O (%)	A	<u>0.12</u>	Time of Setting (minutes)		
K2O (%)	A	<u>0.53</u>	Vicat, Initial	<i>Not less than 45</i>	<u>57</u>
Equivalent alkalis (%)		<u>0.46</u>	Vicat, Final	<i>Not more than 375</i>	<u>178</u>
	<i>minimum</i>	<u>0.46</u>			
	<i>maximum</i>	<u>0.46</u>			
Ignition Loss (%)	<i>3.0 maximum</i>	<u>3.1</u>	Compressive Strength		
Insoluble Residue (%)	<i>1.5 maximum</i>	<u>0.76</u>	1 Day (psi)	<i>minimum (1740)</i>	<u>3,640</u>
			3 Day (psi)	<i>minimum (3480)</i>	<u>5,020</u>
Limestone (%)	A	<u></u>	7 Day (psi)	A	<u>5,860</u>
CO2 (%)	A	<u></u>	28 Day (psi)	A	<u>6,880</u>
CaCO3 in Limestone (%)		<u></u>			
C3A (%)	<i>15 maximum</i>	<u>12</u>			
C3S (%)	A	<u>59</u>			
C2S (%)	A	<u>13</u>			
C4AF (%)	A	<u>5</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 M85 specifications. The above data represents the averages of representative samples from production.

  
 Mike Watson, Quality Manager