



Central Plains Cement Company

Cement Mill Test Report

Month of Issue: October 2018

Plant:	Tulsa, OK
Product:	Class C
Silos:	5,A
Manufactured:	September 2018
Lot Number:	1809C

CHEMICAL ANALYSIS			PHYSICAL ANALYSIS		
Item	Spec Limit	Test Result	Item	Spec Limit	Test Result
Rapid Method, X-Ray (ASTM C114)					
SiO ₂ (%)		20.6			
Al ₂ O ₃ (%)		3.9	Blaine Fineness (m ² /kg) (C 204)	400 min	444
Fe ₂ O ₃ (%)		4.6			
CaO (%)		62.7			
MgO (%)	6.0 max	1.8	Compressive strength (PSI)		
SO ₃ (%)	3.5 max	3.1	8 hr 100F	300 min	720
Loss on ignition (%)	3.0 max	1.0	24 h 100F	2000 min	2490
NaEq (%)		0.41	Thickening Time (minutes)		
Insoluble Residue	0.75 max	0.42	API Schedule 5: mins to 100bc	90 min	125
Free Lime		0.6			
C ₃ S (%)		58			
C ₃ A (%)	8 max	2			
C ₄ AF + 2*C ₃ A		19			

We hereby certify that this Class C cement complies with current standard API 10A specifications using applicable API standard or reference test procedures

Certified By:

John Tierney

October 11, 2018

Central Plains Cement Co. LLC - Tulsa Plant
2609 North 145th East Ave
Tulsa, OK 74012
918-437-3902