



Central Plains Cement Company

Cement Mill Test Report

Month of Issue: February 2018

Plant:	Tulsa, OK
Product:	Class C
Silos:	5,A,B
Manufactured:	Nov. 13 - Dec. 7, 2017
Lot Number:	1711C

CHEMICAL ANALYSIS			PHYSICAL ANALYSIS		
Item	Spec Limit	Test Result	Item	Spec Limit	Test Result
Rapid Method, X-Ray (ASTM C114)					
SiO ₂ (%)		21.4	Blaine Fineness (m ² /kg) (C 204)	400 min	449
Al ₂ O ₃ (%)		3.8			
Fe ₂ O ₃ (%)		4.3			
CaO (%)		63.4			
MgO (%)	6.0 max	1.8	Compressive strength (PSI)		
SO ₃ (%)	3.5 max	2.9	8 hr 100F	300 min	720
Loss on ignition (%)	3.0 max	1.0	24 h 100F	2000 min	2380
NaEq (%)		0.46	Thickening Time (minutes)		
Insoluble Residue	0.75 max	0.24	API Schedule 5: mins to 100bc	90 min	110
Free Lime		0.5			
C ₃ S (%)		55			
C ₃ A (%)	8 max	3			
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

February 13, 2018

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