



GCC of America
 600 S. Cherry Street, Suite 1000, Glendale, CO 80246
 Sales (303) 739-5900 Customer Service (800) CALL GCC

Plant: Tijeras
11783 State Highway 337 S.
Tijeras, New Mexico
 Contact: Guillermo Delgado
 Phone: (505) 286-6027

Cement Type: CLASS G HSR
 Date: 19-Jul-17
 Production period: 10/5/2017-10/6/2017
 Silo: 2

STANDARD REQUIREMENTS API Specification 10 A

CHEMICAL

Item	Spec. Limit	Test Result
SiO ₂ (%)	A	20.38
Al ₂ O ₃ (%)	A	3.56
Fe ₂ O ₃ (%)	A	4.20
CaO (%)	A	62.90
MgO (%)	6.0 max.	3.69
SO ₃ (%)	3.0 max.	2.41
Ignition loss (%)	3.0 max.	1.2
H ₂ O Loss	A	0.93
Na ₂ O (%)	A	0.19
K ₂ O (%)	A	0.48
Equivalent alkalis (%)	0.75	0.51
Insoluble residue (%)	0.75 max.	0.32
Potential Compounds (%)		
C ₃ S	48-65	64.4
C ₂ S	A	9.8
C ₃ A	3 max	2.3
C ₄ AF	A	12.8

PHYSICAL

Item	Spec. Limit	Test Result
-325	A	83.0
Blaine fineness (m ² /kg)	A	312
Free Water%	5.90% Max	5.02
Compressive strength		
100 deg. F 8 hour	MPa (PSI) 2.1 (300)	2.6 (380)
140 deg. F 8 hour	10.3(1500)	10.8 (1560)
Admixture	NONE	
% Water	44	
Schedule 5		
30 Bc	30 MIN Min.	90
50 Bc	A	101
70 Bc	A	108
100 Bc	90-120 MIN	118
Chandler 3500 VG		
	300	200
NEAT	74	62
	100	48
	6	3
	19	12

A Not applicable.

B Limit not specified by purchaser. Test result provided for information only.

GCC OF AMERICA PORTLAND CEMENT IS WARRANTED TO CONFORM AT THE TIME OF SHIPMENT WITH API Specification 10 A. NO OTHER WARRANTY IS MADE OR IMPLIED. HAVING NO CONTROL OVER THE USE OF IT'S CEMENTS, GCC OF AMERICA DOES NOT GUARANTEE FINISHED WORK. GCC IS NOT RESPONSIBLE FOR ANY ADDITIVES NOT STATED IN THE CERTIFICATE OF COMPLIANCE.

We certify that the above described cement, at the time of shipment, meets the chemical and physical requirements of the API Specification 10A.