



GCC of America

Cherry Creek Plaza 1, 600 S. Cherry St, 10th Floor, Glendale, CO 80246
Sales (303) 739-5900 Customer Service (800) CALL GCC

Plant: Tijeras
PO Box 100
Tijeras, NM 87059
Contact: Guillermo Delgado
Phone: (505) 286-6036

Cement Type: Class C HSR Oilwell
Date Issued: 23-Oct-17
Production period ending: 19-Oct-17
Silos 10,12

STANDARD REQUIREMENTS API (SPEC 10A)

	Spec.	Test
Item	Limit	Result
MgO (%)	6.0 max.	3.4
SO ₃ (%)	3.5 max.	3.0
Loss of Ignition (%)	3.0 max.	1.5
Insoluble residue (%)	0.75 max.	0.22
Equivalent alkalies (%)	N.R.	0.45

Potential Compounds	%	
C ₃ S	N.R.	
C ₃ A	3 max	1.8

	Spec.	Test
Item	Limit	Result
Blaine fineness (m ² /kg) minimum	N.R.	513
Mix Water (mass fraction of cement)	56%	
Compressive strength	MPa (psi)	
8 hr., 100deg. F., Min	2.1 (300)	6 (900)
24 hr., 100deg. F., Min	13.8 (2000)	21 (3060)
Schedule 4		
Maximum Consistency Bc (15 - 30 min)	30	9
Thickening time. (minutes) @ 70 Bc	(B)	104
Thickening time. (minutes) @ 100 Bc	90 min.	119

A Not applicable.

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

N.R. No Requirement

At the time of shipment, the cement referenced on this mill test certificate complies with the current standard API 10A specifications using applicable standard testing procedures.