



**GCC of America**

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

Plant: Tijeras  
 PO Box 100  
 Tijeras, NM 87059  
 Contact: Krishna Malay  
 (505) 286-6027

Cement Type: Class C HSR Oilwell  
 Date Issued: 17-Mar-19  
 Production period ending: 2/01/2019 - 2/28/2019  
Monthly Average

**STANDARD REQUIREMENTS API (SPEC 10A)**

	Spec.	Test
Item	Limit	Result
MgO (%)	6.0 max.	1.9
SO <sub>3</sub> (%)	3.5 max.	3.2
Loss of Ignition (%)	3.0 max.	1.3
Insoluble residue (%)	0.75 max.	0.09
Equivalent alkalis (%)	N.R.	0.51

Potential Compounds	%	
C <sub>3</sub> S	N.R.	61
C <sub>3</sub> A	3 max	2.6

	Spec.	Test
Item	Limit	Result
Blaine fineness (m <sup>2</sup> /kg) minimum	N.R.	469
Mix Water (mass fraction of cement)	56%	56
<b>Compressive strength</b>		
<b>MPa (psi)</b>		
8 hr., 100deg. F., Min	2.1 (300)	3.4 (484)
24 hr., 100deg. F., Min	13.8 (2000)	20.7 (3012)
<b>Schedule 4</b>		
Maximum Consistency Bc (15 - 30 min)	30	11
Thickening time. (minutes) @ 70 Bc	(B)	139
Thickening time. (minutes) @ 100 Bc	90 min.	151

A Not applicable.  
 B Limit not specified by purchaser. Test result provided for information only.  
 N.R. No Requirement  
 NA : Not available

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.