



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: Krishna Malay
 Phone: (505) 286-6036

Cement Type: Class C HSR Oilwell
 Date Issued: 07-Feb-19
 Production period ending: 1/01/2019 - 1/31/2019
Monthly Average

STANDARD REQUIREMENTS API (SPEC 10A)

	Spec.	Test
Item	Limit	Result
MgO (%)	6.0 max.	2.9
SO ₃ (%)	3.5 max.	2.8
Loss of Ignition (%)	3.0 max.	1.3
Insoluble residue (%)	0.75 max.	0.07
Equivalent alkalis (%)	N.R.	0.25

Potential Compounds	%	
C ₃ S	N.R.	61
C ₃ A	3 max	2.8

	Spec.	Test
Item	Limit	Result
Blaine fineness (m ² /kg) minimum	N.R.	467
Mix Water (mass fraction of cement)	56%	56
Compressive strength		
	MPa (psi)	
8 hr., 100deg. F., Min	2.1 (300)	6.5 (934)
24 hr., 100deg. F., Min	13.8 (2000)	20.6 (2999)
Schedule 4		
Maximum Consistency Bc (15 - 30 min)	30	9
Thickening time. (minutes) @ 70 Bc	(B)	113
Thickening time. (minutes) @ 100 Bc	90 min.	123

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.