



TEXAS-LEHIGH CEMENT COMPANY



Evaluation tests for:

TLC API Class A Well Cement - Buda, Texas Plant

Typical Performance Data: Grind # 181201 Prod date: 1 - 31 December, 2018 Silo No. 14

Chemical Analysis(%) (ASTM C114)

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	SO ₃	LOI	Na ₂ O	K ₂ O	Na ₂ O Equiv.	Insol. Residue	
20.5	5.2	2.3	64.8	1.2	3.4	2.7	0.2	0.9	0.8	0.45	
API Spec., max., %				6.0	3.5	3.0					0.75

Calculated Compounds(%) (API Spec. 10A, Table 1)

C3S	C2S	C3A	C4AF
60	14	10	7

Physical Parameters

Fineness

Blaine-m²/kg (ASTM C204) 316 API Spec.--280 min.
M-325(% Passing) (ASTM C430) 78.1

Thickening Time and Compressive Strength(46% H₂O - neat slurry)

API Schedule	Depth ft.	Bottom Hole Circulation	Temp	H ₂ O		
4-Csg	6000	113 Deg F		5.19 gal/sk		
Consistency Bc				Compressive Strength		
Initial	15 Min.	30 Min	60 Min	70 Bc	100 Bc	8 hr/24hr - atmos. press. PSI
2	6	8	24	84	95	100 °F (8 hr) 100 °F (24 hr)
				90 minutes min.	250 PSI min.	1800 PSI min.
API Spec.				30 Bc max. in 15-30 min. stirring period		

The above Class A cement meets all API specifications for API Class A (O)

All well cement tests are performed according to API Spec. 10A

V Gonzalez-Torres

QC Manager

Phone: Lab (512) 295-9241, Sales (512) 295-9202, Shipping (512) 295-9222
PO Box 610, Buda, Texas 78610 : 701 Cement Plant Road