



# TEXAS-LEHIGH CEMENT COMPANY



Evaluation tests for:

TLC API Class A Well Cement - Buda, Texas Plant

Typical Performance Data: Grind # 190501 Prod date: 1 - 31 May, 2019 Silo No. 14

### Chemical Analysis(%) (ASTM C114)

SiO2	Al2O3	Fe2O3	CaO	MgO	SO3	LOI	Na2O	K2O	Na2O Equiv.	Insol. Residue	
19.9	5.2	2.3	63.4	1.1	3.6	2.9	0.2	0.9	0.8	0.68	
API 10A Spec., max.,				6.0	3.5	3.5					1.5

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

C3S	C2S	C3A	C4AF
58	13	10	7

### Physical Parameters

#### Fineness

Blaine-m2/kg (ASTM C204) 300 API 10A Spec. -- 280 min.  
M-325(% Passing) (ASTM C430) 78.6

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

API Schedule	Depth ft.	Bottom Hole Circulation	Temp	H2O	Compressive Strength		
4-Csg	6000	113 Deg F		5.19 gal/sk	8 hr/24hr - atmos. press. PSI		
Consistency Bc				Thickening Time		100 °F (8 hr)	100 °F (24 hr)
Initial	15 Min.	30 Min	60 Min	70 Bc	100 Bc	830	2850
5	6	9	15	110	125		
API Spec.				30 Bc max. in 15-30 min. stirring period	>= 90 min	250 PSI min.	1800 PSI min.

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

All well cement tests are performed according to current 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