TEXAS-LEHIGH CEMENT COMPANY

Evaluation tests for:
TLC API Class A Well Cement - Buda, Texas Plant

Typical Performance Data: Grind # 240916 -- A Prod date: **09/07-22/2024** Silo No. 12,9

Chemical Analysis(%)(ASTM C114)

	SiO2	Al2O3	Fe2O3	CaO	MgO	SO3	LOI	Na2O	K2O	Na2O Equiv.	Insol. Residue
	20.4	5.2	2.4	63.0	1.6	3.1	1.2	0.2	1.0	0.8	0.31
API 10A Spec., max.,					6.0	3.5	3.5				1.5

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

C_3S	C_2S	C_3A	C_4AF
55	17	10	7

Physical Parameters

Fineness

Blaine-m2/kg	(ASTM C204)	312	API 10A Spec. -- 280 min.
M-325(% Passing)	(ASTM C430)	74.4	

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

API Schedule	Depth ft.	Bottom Hole Circulation Temp	H2O
4-Csg	6000	113 Deg F	5.19 gal/sk

Consistency Bc				Thickening Time		Compressive Strength 8 hr/24hr - atmos. press. PSI	
Initial	15 Min.	30 Min	60 Min	70 Bc	100 Bc	100 °F (8 hr)	100 °F (24 hr)
10	10	11	23	103	120	650	2800
API Spec.	30 Bc max. in 15-30 min. stirring period				>= 90 min	250 PSI min.	1800 PSI min.

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

QC Manager

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