



**TEXAS-LEHIGH CEMENT COMPANY**



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

Typical Performance Data: Grind # 240824 -- A Prod date: 8/08-11/2024 Silo No. 12.9

Chemical Analysis(%) (ASTM C114)

<u>SiO2</u>	<u>Al2O3</u>	<u>Fe2O3</u>	<u>CaO</u>	<u>MgO</u>	<u>SO3</u>	<u>LOI</u>	<u>Na2O</u>	<u>K2O</u>	<u>Na2O</u> <u>Equiv.</u>	<u>Insol.</u> <u>Residue</u>	
20.2	5.1	2.5	62.7	1.6	3.4	1.7	0.2	1.0	0.9	0.50	
API 10A Spec., max.,				6.0	3.5	3.5					1.5

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

<u>C3S</u>	<u>C2S</u>	<u>C3A</u>	<u>C4AF</u>
54	17	9	8

**Physical Parameters**

Fineness

Blaine-m2/kg (ASTM C204) 303 API 10A Spec. -- 280 min.  
M-325(% Passing) (ASTM C430) 74.3

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

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

<u>Consistency Bc</u>				<u>Thickening Time</u>		<u>Compressive Strength</u> <u>8 hr/24hr - atmos. press. PSI</u>	
<u>Initial</u>	<u>15 Min.</u>	<u>30 Min</u>	<u>60 Min</u>	<u>70 Bc</u>	<u>100 Bc</u>	<u>100 °F (8 hr)</u>	<u>100 °F (24 hr)</u>
10	10	10	16	109	127	680	2850

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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