



TEXAS-LEHIGH CEMENT COMPANY



Evaluation tests for:
TLC API 10A Class H Well Cement - Buda, Texas Plant

Typical Performance Data: Grind # 220806-H Prod date: August 01-31, 2022 Silo No. 8,2,6

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
21.0	3.2	5.7	62.8	1.6	2.7	1.3	0.1	0.5	0.46	0.14
API Spec., max., %				6.0	3.0	3.0			0.75	0.75

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

	C ₃ S	C ₂ S	C ₃ A	[C ₄ AF+ 2(C ₃ A)]
API 10A Spec. (%)	58 48 - 65	16	0 3 Max.	17 24 Max.

Physical Parameters

Fineness Blaine-m ² /kg (ASTM C204)	<u>280</u>	% Free Fluid @ 38% H ₂ O	<u>3.3</u>	API Spec. 5.9% Max.
-325(%) (ASTM C430)	<u>69.9</u>	% Free Lime	<u>0.34</u>	

Thickening Time and Compressive Strength (38% H₂O - neat slurry)

API Schedule	Depth ft.	Bottom Hole Circulation Temp	H ₂ O
5-Csg	8000	125 Deg F	4.29 gal/sk

Consistency (Bc)	Thickening Time (Minutes)				Compressive Strength (PSI)		
	Initial	15 min.	30 min.	60 min.	70 Bc	100 Bc	
	11	13	15	19	98	110	
API 10A Spe		30 Bc max. in 15-30 min. stirring period			90 minute min. 120 minute max.		300 PSI min. 1500 PSI min.

The above Class H cement meets all current API 10A specifications for Class H (HSR) Cement

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

QC Manager

Phone: Lab (512) 295-9241, Sales (512) 295-9202, Shipping (512) 295-9222. www.texaslehigh.com/Products for SDS

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