



TEXAS-LEHIGH CEMENT COMPANY



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

Typical Performance Data: Grind # 221005-H Prod date: October 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
20.8	3.3	6.0	62.9	1.7	2.7	1.4	0.1	0.6	0.50	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. (%)	59 48 - 65	15	0 3 Max.	18 24 Max.

Physical Parameters

Fineness Blaine-m ² /kg (ASTM C204)	<u>277</u>	% Free Fluid @ 38% H ₂ O	<u>2.8</u>	API Spec. 5.9% Max.
-325(%) (ASTM C430)	<u>71.1</u>	% Free Lime	<u>0.37</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	
	9	11	12	21	92	106	
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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