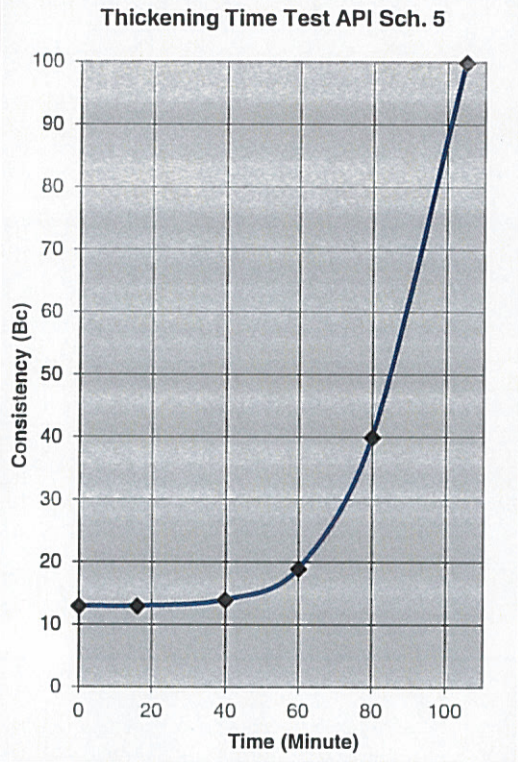




Issue date : 14.11.2019

TEST CERTIFICATE OF OIL WELL CEMENT CLASS "G" GRADE HSR
IN ACCORDANCE WITH API SPEC 10A MARCH 2019

CHEMICAL ANALYSIS	SPECS	TEST
MgO (Magnesium Oxide), %	6.00 Max.	1.72
SO ₃ (Sulphur Trioxide), %	3.00 Max.	1.37
LOI (Loss On Ignition), %	3.00 Max.	1.37
IR (Insoluble Residue), %	0.75 Max.	0.32
C ₃ S (Tricalcium Silicate), %	48 - 65	54.76
C ₃ A (Tricalcium Aluminate), %	3.00 Max.	0.26
2C ₃ A+C ₄ AF (2 x Tricalcium Aluminate + Tetracalcium Aluminoferrite), %	24.0 Max.	17.07
Alkalies (Na ₂ O Equivalent), %	0.75 Max.	0.43
PHYSICAL TESTS		
	SPECS	TEST RESULTS
Fineness, Blaine (M ² /Kg)	---	305
Free Fluid (Free Water) (%)*	5.90 Max.	4.7
Thickening Time Sch. 5 (Minutes)	90 - 120	105
Max. Consistency 15-30 Min. (Bc)	30.0 Max.	13
8 Hrs. Compressive Strength @ Atmospheric Pressure (lbs/in ²)		
At 38°C	300 Min.	782
At 60°C	1500 Min.	1895



Note : Mix Water=349 +/-0.50, Cement=792 +/-0.50

REMARKS

Batch No: OWC19-45
Type: WEEKLY
Testing End / Desp.Date: 02-07.11.19

ASST. MANAGER Q.C

MANAGER Q.C



GENERAL MANAGER(Manuf.)

QC-F-016

1/1

END OF TEST CERTIFICATE



الفائزون بكأس
حضرة صاحب الجلالة
الأفندي صاحب الجلالة
من الأعوام:
٩٨, ٩٩, ١٠٠, ١٠١, ١٠٢, ١٠٣, ١٠٤, ١٠٥, ١٠٦, ١٠٧, ١٠٨, ١٠٩
WINNER OF
HIS MAJESTY'S CUP FOR THE BEST
FIVE FACTORIES FOR
1991, 92, 94, 95, 96, 97, 98, 99,
2000, 2001, 2017

ISO 9001 and 14001 Management System Certified Company

