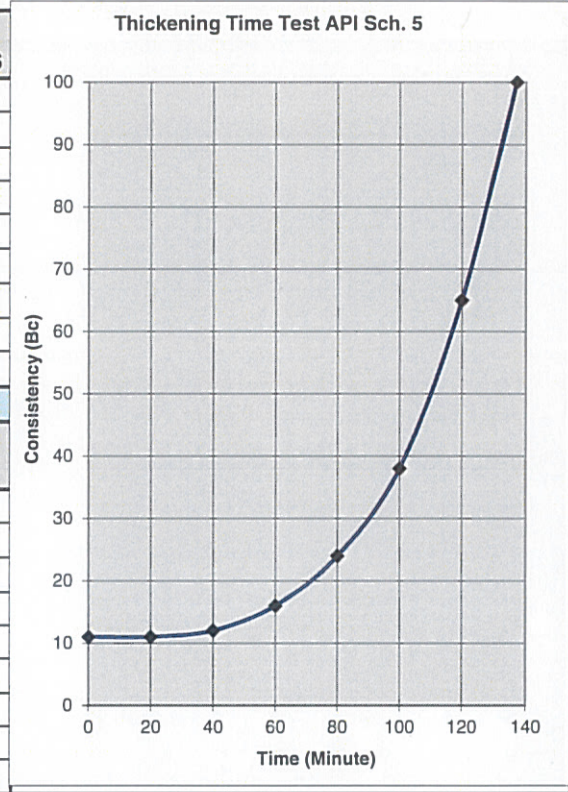




Issue Date :02.05.2019

TEST CERTIFICATE OF OIL WELL CEMENT CLASS "A" (O)
IN ACCORDANCE WITH API SPEC 10A DECEMBER 2010

CHEMICAL ANALYSIS	SPECS	TEST RESULTS
MgO (Magnesium Oxide), %	6.00 Max.	1.59
SO ₃ (Sulphur Trioxide), %	3.00 Max.	2.34
LOI (Loss On Ignition), %	3.00 Max.	2.11
IR (Insoluble Residue), %	0.75 Max.	0.52
C ₃ S (Tricalcium Silicate), %	-	57.48
C ₃ A (Tricalcium Aluminate), %	-	5.15
2C ₃ A+C ₄ AF (2*Tricalcium Aluminate + Tetracalcium Aluminoferrite), %	-	23.10
Alkalies (Na ₂ O Equivalent), %	-	0.55
PHYSICAL TESTS		
PHYSICAL TESTS	SPECS	TEST RESULTS
Soundness (%)	0.80 Max.	0.02
Fineness, Blaine (M ² /Kg)	280 Min.	330
Free Fluid (mL)	-	4.5
Thickening Time Sch. 4 (Minutes)	90 Min.	137
Max. Consistency 15-30 Min. (Bc)	30 Max.	11
Compressive Strength @ 38°C	-	
Atmospheric Pressure (PSI)	-	
At 8 Hours	250 Min.	844
At 24 Hours	1800 Min.	2164



REMARKS

Batch No.: **OWC19-17**
Production Date: **19.04.19**
Sampling / Testing Date: **20-25.04.19**
Reference No.: **OWCA-839**



ASST.MANAGER Q.C

MANAGER Q.C

GENERAL MANAGER (Manuf.)

QC-F-007

1/1

END OF TEST CERTIFICATE



الفائزون بكأس
حضره صاحب الجلالة
الأفضل خمسة مصانع
عن الأعوام:
١٩٩١، ١٩٩٢، ١٩٩٥، ١٩٩٦، ١٩٩٧،
١٩٩٨، ١٩٩٩، ٢٠٠٠، ٢٠٠١، ٢٠٠٢، ٢٠٠٣، ٢٠٠٤، ٢٠٠٥، ٢٠٠٦، ٢٠٠٧،
WINNER OF
HIS MAJESTY'S CUP FOR THE BEST
FIVE FACTORIES FOR
1991, 92, 94, 95, 96, 97, 98, 99,
2000, 2001, 2017

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