

EA-109670

MATERIAL TEST CERTIFICATE

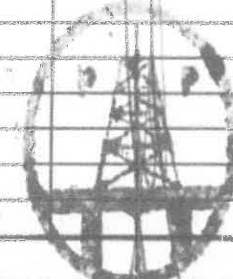


Folio:	1831-07-01
No. Cert.	CON18-01
Date:	18/07/2018



Wrought Standard: ANSI/ASME B16.9 - 18
 ASTM A234/SA234M-11a Section II Part A - Normalized
 Standard Specification: ASTM A234 / A234M - 11a Gr. WPB
 NACE Standard: NACE MR 0175-09 ISO 15156-1-2-3:2009

NO.	SAMPLE PRODUCT NAME	SIZE	MATERIAL STANDARD	UNIT	QUANTITY	HEAT NO.	SURFACE QUALITY	GEOMETRY DIMENSION	HEAT TREATMENT CONDITION								
										1	CAP SCH-40 NACIONAL	18"	A 234 WPB	PCS	2	357	SATISFACTION
NONDESTRUCTIVE TEST																	
CHEMICAL COMPOSITION AND MECHANICAL PROPERTY OF THE RAW MATERIAL																	
NO.	CHEMICAL COMPOSITION (%)											MECHANICAL PROPERTY			HARDNESS HB		
	C	Mn	P	S	Si	Cr	Mo	Ni	Cu	OTHER			TENSILE STRENGTH	YIELD STRENGTH		ELONGATION	
										V	Nb	CE					
MIN		0.29			0.10												
MAX	0.30	1.06	0.050	0.058		0.40	0.15	0.40	0.40	0.08	0.02	0.50	415-585	240(min)	22(min)		97(max)
1	0.220	0.510	0.013	0.011	0.200	0.010	0.050	0.020	-	-	-	-	465	310	32		145



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