SHANDONG MOLONG PETROLEUM MACHINERY CO.LTD

产品质量证明书

PRODUCT QUALITY CERTIFICATE EN10204 3.1

本公司已通过ISO9001-2008

OUR COMPANY HAS PASSED THROUGH ISO9001-2008

国际质量体系认证

INTERNATIONAL QUALITY CERTIFICATE SYSTEM

客户名称：CLIENT NAME：Codifer S.A.S

产品名称：无缝钢管

NAME OF GOODS: SEAMLES STEEL PIPE

证书号：LICENSE NO.：2405261-06260-2024

兹为贵公司制造的钢管，业经本公司质检处依据产品标准，技术条件及合同规定，检验合格，特发此证

THIS TO CERTIFY THAT IN ACCORDANCE WITH THE RELEVANT PRODUCT SPECIFICATION, TECHNIQUE CONDITIONS AND CONTRACT STIPULATIONS, THE STEEL PIPES MANUFACTURED FOR YOUR UNIT, WERE TESTED QUALIFIED BY OUR QUALITY CONTROL DEPARTMENT.

合同号：IMP3640

CONTRACT NO.:IMP3640

BRAND: MOLONG

执行标准：ADMINISTER STANDARD: ASTM A53 / A106 GR.B	总重：TOTAL WEIGHT: 27.103 MT	钢级GRADE *5 B	BRAND: MOLONG	检验结果：INSPECTION RESULT: OK	IMP3640

炉号 HEAT NO.：	批号 BATH NO.	化学成分CHEMICAL VALUES (%)																											碳当量 Carbono equivalente		交货状态 DELIVERY CONDITION	外观检测 VISUAL&DIMENSIONAL INSPECTION	重量检测WEIGHT INSPECTION 壁厚检测 THICKNESS INSPECTION	FLATTENING 压扁/ BENDING 弯曲	残余 RESIDUAL MAGNETISM ≤3GS
		Type 取样*3	C	Si	Mn	P	S	Cr	Cu	Mo	Ni	Nb	V	B	Ti	Al	Nb+V	Nb+V+Ti	Ca	O	N	Al/N	Cr+Mo+Ni+Cu	As	Pb	Sb	Sn	Bi	CEIIW	CEPcm					
		Max	0.28	-	1.06	0.03	0.03	0.40	0.40	0.15	0.40			0.001	0.04	0.06	0.06	0.15	0.006	0.004	0.012		0.8	0.02	0.005	0.01	0.015	0.005							
		Min	-	0.10	0.29	-	-	-	-	-	-											2												
W24585641	X240416110	H	0.190	0.230	0.450	0.014	0.011	0.015	0.011	0.015	0.012	0.008	0.036	0.0005	0.005	0.025	0.044	0.049	0.002	0.001	0.007	2.500	0.053	0.005	0.002	0.003	0.011	0.001	-	-	HOT ROOLING /(NOT COLD EXPANDED)	QUALIFIED	QUALIFIED	QUALIFIED	2
		P	0.170	0.230	0.350	0.010	0.010	0.013	0.010	0.013	0.011	0.008	0.036	0.0006	0.005	0.024	0.044	0.049	0.002	0.001	0.007	2.550	0.047	0.005	0.002	0.003	0.011	0.001	-	-					2
		P	0.170	0.220	0.350	0.011	0.010	0.013	0.012	0.012	0.012	0.008	0.036	0.0006	0.005	0.021	0.044	0.049	0.002	0.001	0.007	2.490	0.049	0.005	0.002	0.003	0.011	0.001	-	-					2

Descriptions of Delivery							拉伸实验 TENSILE TEST							水压 HYDROSTATIC TEST			无损测试 NONDESTRUCTIVE TESTING			冲击实验IMPACT TEST										硬度测试HARDNESS TEST (≤240 HV10)			金相试验 METALLOGRAPHIC	
炉号 HEAT NO.：	批号BATH NO.	外径 OD (INCH)	外径 OD (MM)	壁厚 THICKNESS (MM)	长度 LENGTH	重量 TOTAL WEIGHT (MT)	支数 QUANTITY (PCS)	试验类型 TEST TYPE *1	位置 LOCATION *1	方向 ORIENTATION *1	尺寸 SIZE		抗拉强度 TENSILE STRENGTH MPA	屈服强度 YIELD STRENGTH Rt0.5 Rm MPA	伸长率 ELONGATION (%)	压力值 PRESS VALUE Mpa	稳压时间 TIME	结果 RESULT	方法 METHOD	GRADE	结果 RESULT	SPECIMEN TYPE 试样尺寸 *2	TEMPERATURE 温度 KCV (℃)	横向TRANSVERSE 30J≤单个最小值<40J 30J≤Single minimum<40J 平均值≥40J Average value≥40J			纵向LONGITUDINAL 30J≤单个最小值<40J 30J≤Single minimum<40J 平均值≥40J Average value≥40J			INSIDE 内	MIDDLE 中	OUTSIDE 外	MICROSTRUCTURE 显微组织	GRAIN SIZE 晶粒度
																								UNIT VALUE 单个值	AVERAGE VALUE 平均值	SHEAR. AREA. 剪切面积%	UNIT VALUE 单个值	AVERAGE VALUE 平均值	SHEAR. AREA. 剪切面积%					
												Max	-	-	-																			
												Min	415	245	24.5																			
W24585641	X240416110	3"	88.9	5.49	6000	27.103	400	P	B	L	B:38.1MM, L:50MM	/	480	265	31	17.30	5s	QUALIFIED	ET+UT	E3+U3	QUALIFIED	-	-	-	-	-	-	-	-	-	-	-	-	-
								P	B	L	B:38.1MM, L:50MM	/	475	255	30							-	-	-	-	-	-	-	-	-	-	-	-	-
								P	B	L	B:38.1MM, L:50MM	/	480	260	32							-	-	-	-	-	-	-	-	-	-	-	-	-

说明ELUCIDATION::

1：*1：试验类型（P 产品试验， S：样品试验）TEST TYPE(P: PRODUCT TEST S: SAMPLE TEST)
取样位置（B:管体， E ：墩粗端）LOCATION(B: PIPE BODY, U: UPSETTING END)
实验方向L — 纵向试块 T — 横向试块ORIENTATION (L—LONGITUDINAL SAMPLE T—TRANSVERSE SAMPLE)

2：*2：Impact Specimen（冲击试样）：C1 -10x5x55，C2 -10x6.7x55，C3-10x7.5x55，C4-10x10x55，C5- Sample of specified size(特定尺寸试样)：(—)；

3：*3：H：熔炼分析 H-HEAT ANALYSIS. P：成品分析 P- PRODUCT ANALYSIS.

4：*4：In the applicable inspection method box " √ "（在适用的检验方法框内打 " √ "）

5：*5:Steel Marking（炼 钢）

6：NAME AND LOCATION OF FACILITIES USED FOR PIPE MANUFACTURING：地址和名称：
SHANDONG MOLONG PETROLEUM MACHINERY CO.LTD山东墨龙石油机械股份有限公司
NO. 999 WENSHENG STREET SHOUGUANG CITY, SHANDONG PROVINCE PEOPLE'S REPUBLIC OF CHINA 生产地址1：山东省寿光市文圣街999号

山东墨龙石油机械股份有限公司 质量证明书 专用章

7.本产品只保证在标准（合同）规定条件下使用。
THIS PRODUCTS ARE ONLY GUARANTEED FOR USING UNDER STANDARD (CONTRACT) STIPULATION CONDITIONS.
8.本证明书复印无防伪标记和未加产品质量专用章无效。
THIS CERTIFICATE IS INVALID WHEN PHOTOCOPIED WITHOUT FAKE PREVENTING MARKS AND SPECIAL QUALITY STAMP.
9. 运输和卸货造成的产品缺陷不予保证。THE PIPES DAMD DURING TRANSPORTATION AND UNLOADING ARE NOT GUARANTEED. 10. 如对产品有异议， 请于十五日内以书面形式提出，逾期本公司不予受理。
IF YOU HAVE DIFFERENT OPINION FOR OUR PRODUCTS, PLEASE PROVIDE US IN WRITTEN FORM IN FIFTEEN.

检验员 INSPECTOR: 李玉彬　　审核： VERIFIER: 武立海　　制表： TAB: 陈 燕　　签发日期：DATE OF ISSUE: 2024年06月18日

Documento: FAV - 264060
31/10/2024 16:31:26 - FernandoG