



生产单位:内蒙古包钢钢联股份有限公司钢管公司  
 PRODUCER:SEAMLESS TUBE MILL OF INNER  
 MONGOLIA BAOTOU STEEL UNION CO., LTD.

# 质量证明书 QUALITY CERTIFICATE

地址:中国.包头.昆区  
 邮编POSTCODE: 014010  
 质证书号CERTIFICATE No.: 180330E0209  
 记录编号RECORD No.: CJL/43 GC-01 03

订货单位 CUSTOMER	BAOTOU STEEL INTL	标准 SPECIFICATION	API 5CT-第九版 L80-1	交货状态 Delivery Status	Q+T	品名 PRODUCT	PE CASING	联运到站 COMBINED TRANSPORT	
收货单位 PURCHASER		质量等级 PSL		制造方法 Manufacturing method	Seamless	管端形式 Tube end form		到站 DESTINATION	XINGANG
合同号 CONTRACT NO.	18WFG/21-143GY IN	钢号 STEEL GRADE	L80-1	长度等级 RANGE OF LENGTH	R3	信用证编号 No Credit		增载打包 By carrier package	
发货日期 DATE OF DELIVERY	20180329	钢管类型 Pipe Type	SEAMLESS PIPE	最低回火温度 Lowest tempering temperature		许可证号 LICENSE NO.	5CT 0436	车号 TRAIN NO.	



批号 LOT NO.	熔炼号 HEAT NO.	规格DIMENSION		数量QUANTITY				无损检验 NDT								水压试验			
		外径 O. D	壁厚 W. T	支数 Pieces	米长 Length	理论重量 Theoretical Weight	毛重 Actual weight	探伤方法 Method	验收等级 PSL level	参考标样尺寸 criteria	人工伤数量 number of notches	缺陷伤方向 orientation	缺陷位置 place of notch	参考标样类型 type of criteria	无损检验 NDT	试验压力 Pressure	稳压时间 Duration	实验结果 Hydrostatic	通径 Path Test
1802410548-1802A20120	18701335	244.480	11.990	90	1092.45	75.102	75.102	UT	L2	40x0.8x0.6	2	L+T	OD+ID	Notch N5	Each Pipe	43.5	5	Y	Y
1802410548-1802A20121	18701335	244.480	11.990	12	144.18	9.911	9.911												
合计:				102	1236.63	85.013	85.013												

批号 LOT NO.	熔炼号 HEAT NO.	化学成分CHEMICAL COMPOSITION (%)																拉伸试验			冲击试验				备注 Remark		
		C	Si	Mn	P	S	Mo	Cr	Ni	Cu										*A01 屈服 K	*A02 抗拉 Rm	*A03 伸长率 %	单值/J K(v8)				
		10 <sup>-2</sup>	10 <sup>-2</sup>	10 <sup>-2</sup>	10 <sup>-3</sup>	10 <sup>-3</sup>	10 <sup>-2</sup>	10 <sup>-2</sup>	10 <sup>-2</sup>	10 <sup>-2</sup>	10 <sup>-2</sup>									N/mm2	%		1	2		3	Ave
1802410548-1802A20120	18701335	L	31	23	144	16	3	0	19	1	1									593	710	32.5	89.0	86.0	95.0	90.0	
		P	29	27	140	19	4	0	16	1	1									587	700	34.5	101.0	88.0	90.0	93.0	
		P	29	26	138	19	4	0	16	1	1																
1802410548-1802A20121	18601191	L	31	23	144	16	3	0	19	1	1									597	721	29.5	100.0	91.0	88.0	93.0	
		P	29	24	139	15	3	0	20	1	1									612	722	31.5	87.0	85.0	84.0	85.3	
		P	30	24	140	15	3	0	20	1	1																

说明 NOTES  
 \*NA01=拉伸屈服强度HAYS  
 \*NA02=拉伸抗拉强度HATS  
 \*NA03=拉伸伸长率HAEL

备注:1. 需方收到货物十天内, 要按合同及其规定的标准进行实物验收, 如有不符合项应提出异议。投诉电话: 0472-2189196/2189120。 2. 如果发生质量纠纷, 双方首先协商解决, 协商不成, 提交生产商所在地法院解决。  
 Notes: 1. The demands side of goods received within ten days according to their standards stipulated in the contract for physical inspection, if non-conformities should be challenged.  
 Complaints: 0472-2189196 / 2189120. 2. If the quality of a dispute, the parties first negotiated, the negotiation fails, the manufacturer submitted the seat of the Court to resolve.



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批号 LOT NO.	熔炼号 HEAT NO.	硬度试验 Hardness Test												备注 Remark
		( I )												
		Inside				Middle				Outside				
		1	2	3	Ave	1	2	3	Ave	1	2	3	Ave	
1802410548-1802A20120	18701335	18.2	18.0	18.1		16.5	16.5	17.6		15.8	16.9	16.1		
		16.6	17.3	16.8		16.3	17.1	15.6		16.6	15.3	16.2		
1802410548-1802A20121	18601191	16.4	17.8	17.4		16.5	17.8	17.3		16.5	17.3	16.8		
		18.8	19.4	18.9		17.8	18.0	18.3		16.2	16.7	15.9		
批号 LOT NO.	熔炼号 HEAT NO.												备注 Remark	
说明 NOTES		OAL= 正常轧制- 沿轧制方向 OAT= 正常轧制- 沿轧制方向90度												



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