



TOP-CO INC.
7720-17 STREET EDMONTON, ALBERTA
CANADA T6P-1S7

CERTIFICATE OF CONFORMANCE

PURCHASER: _____
DATE: May 15, 2015
ORDER No: 172039
QUOTE No. Q0590.15
P.O. 15G0642R3
ITEM No: 1
QUANTITY: 1
TOP-CO PART No. 535-340-BX-AC-9
DESCRIPTION: TOP-CO™ TYPE 535, DIFFERENTIAL VALVE FLOAT COLLAR FOR 13 3/8" CASINGS, L-80, 48.0-72.0 PPF, BUTTRESS (BTC), 1 3/4" KIRKSITE BALL, CONCRETE FILLED, API RP 10F II-B

HEAT No.
1436759V

M/O No.
2015CD-04770

CONCRETE TEST 5,500 PSI MIN. - AFTER 24 HR CURE

MATERIAL
CERTIFICATE

THREADING
INSPECTION

VISUAL
INSPECTION

* ATTACHED

* COMPLETED

* COMPLETED

WE HEREBY CERTIFY THAT THE MATERIAL AND INSPECTION POINT ON YOUR ORDER AND UNDER THIS STATEMENT OF CONFORMANCE HAVE BEEN MANUFACTURED IN ACCORDANCE WITH THE ABOVE NOTED MATERIAL AND TESTS TO DETERMINE CONFORMANCE WITH APPLICABLE STANDARDS OF WORKMANSHIP.

PRINT NAME ARVI NORENA SIGNATURE _____

衡阳华菱钢管有限公司



许可证号
TS2710G86-2016

证书号 Certificate No. 201502707-1 中国湖南省衡阳市大栗新村10号

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产品质量证明书

| | | | | | | | | | | | | |
|---------------------|-------------------------|------------|--------------|-----------|--|-----------|--|---------------------|---------------------------------------|---------------------|-------------------|---------------|
| 订货单位 Customer | 北京宝菱无缝钢管有限公司 | | EN 10204 3.1 | | 产品名称 Product | | 热轧无缝 | | 证书号 Certificate No. 201502707-1 | | 中国湖南省衡阳市大栗新村10号 | |
| 收货单位 Purchaser | 北京宝菱无缝钢管有限公司 | | EN 10204 3.1 | | 制造方法 Process of Manufacture | | Hot Finished Seamless | | 推荐用管 Coupling Stock Tel: 0734-8873770 | | Fax: 0734-8873770 | |
| 标准 Specification | API 5CT(9th) PSL1 L80-1 | | EN 10204 3.1 | | 许可证号 License No. | | API 5CT-0480 油套管规范 | | 产品供货号 Contract NO. | | 1110024754-01 | |
| 规格 Dimension | 365.1 * 25.4 | | EN 10204 3.1 | | 车皮号 Train No. | | 联华(150123Q) | | 客户订单号 Customer Order NO. | | PO 36707 | |
| 捆数 Bundles | 16 | | EN 10204 3.1 | | 长度范围 Range Scope | | (8-10) 米 | | 等级 Grade | | L80-1 | |
| 总根数 Tot.Pieces | 16 | | EN 10204 3.1 | | 总长度 Tot.Length | | 158.74 | | 签发日期 Date Of Issue | | 2015-01-26 | |
| 总重量 Tot.Weight | 35.674 | | EN 10204 3.1 | | 热处理/交货状态 Heat Treatment/Delivery Condition | | *4 热处理的 | | M | | 淬火加回火-Q&T | |
| MT | | | EN 10204 3.1 | | | | | | | | | |
| 序号 NO. | 炉号 Heat No. | 批号 Lot No. | 捆数 Bundles | 根数 Pieces | 长度 Length | 重量 Weight | *5 试样类型及方向 Orientation (Size/Gauge/Length/mm) | 屈服强度 Yield Strength | 抗拉强度 Tensile Strength Rm | 延伸率 Elongation A(%) | 断面率 R.A.Z(%) | 屈服比 Ys/Ts (%) |
| 最小值 Min | | | | | M | MT | *6 Type | RT0.5 | MPa | MPa | | |
| 最大值 Max | | | | | | | | | | | | |
| 1 | 1436759V | 2DZ031090 | 16 | 16 | 158.74 | 35.674 | C/L 12.7.50.8 | 590.617 | 718/734 | 23.5 | 22.0 | 82.2 84.1 |

注: 1 兹证明本产品按供货标准检验各项指标均符合供货标准规定。2 质量证明书原件是验收依据, 复印件仅供参考, 不作为验收凭证。3 原产地: 中国制造。*4 热处理/交货状态: 全长正火-N/正火加回火-NT/淬火加回火-QT/轧制状态-AR/轧制正火-NR/热扩-HB *5 试样类型 条状-S/圆棒-C/全截面-F, 试样方向 纵向-L/横向-T *6 计算方式 理论重量-T/实际重量-A

Notes: 1 This is to certify that the product has been inspected as per relevant specification as stipulated in the order, qualified with all the data in compliance with the specification. 2 The Original Quality Certificate is the foundation of acceptance while the copy is not acceptance voucher and only for reference. 3. Origin: Made In China *4 Heat Treatment/Delivery Condition: Full length normalized- N/ Normalized and Tempered-NT/ Quenched and Tempered-QT/ As-rolled-AR/Normalizing Rolled-NR/Hot expanded-HB *5. Sample Type Strip-S/Clubbed-C/Full-Section-F, Sample Orientation Longitudinal-L/Transverse-T *6 Theoretical Weight-T/Actual Weight-A

质量管理部负责人 Quality Manager:

田研

审核人 Auditor:

王芳美

制证人 Certificate-maker:

唐艳B299

衡阳华菱钢管有限公司



许可证号
TS2710G86-2016

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EN 10204 3.1

证书号 Certificate No: 201502707-1

中国湖南省衡阳市大栗新村10号

电话: 0734-8873770

传真: 0734-8873770

E-mail: customerqu@hysteeltube.com

无损检测 Non-Destructive Test (逐支 each pipe)

漏磁探伤-EMI/超声波探伤-UT/电磁超声探伤-EMAT

产品质量证明书

| *12位置 Position | 涡流探伤 ET | 磁粉探伤 MPI | *13 | 纵向 Longitudinal | | 横向 Transverse | | 分层 Laminar | | 测厚覆盖率 Thickness Testing Coverage | 渗透 -PT | 检测结果 Result | 剩磁 Residual Magnetism | 热处理工艺过程 Heat Treatment Procedure |
|-------------------|------------|-------------|-------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------|---|-----------|--------------------|--------------------------|---|
| | | | | 外表面 External Surface | 内表面 Internal Surface | 外表面 External Surface | 内表面 Internal Surface | 接受等级 Acceptance Level | 覆盖率 Coverage | | | | | |
| B | | | EMI+U | L2+L2 | | | | | | | | | ≤20GS | |
| E | | | UT | L2 | | L2=L2 | | | | 10% | | 合格 ACCEPT ED | 合格 ACCEPT ED | 回火温度640℃-680℃ Tempering temperature 640℃-680℃ |
| EG | | | | | | L2 | L2 | | | | | | | |

| 工艺性能检测 Technological properties Test | | | | | | | | | | | |
|--------------------------------------|-----------------------------|-------------------------|---------------------|--------------------|--------------------|--|---------------------------------------|---|---------------------------------------|------------|----------------------|
| 管环拉伸 Ring tensile test | 管环扩径 Ring expanding test | 冷弯 Cold Bending test | 卷边 Flanging test | 扩口 Flaring test | 压扁 Flatten test | 螺纹检测(逐支) Thread Inspection (each pipe) | 通径检测(逐支) Drift Test (each pipe) | 外观检验和几 何尺寸检验(逐 支) Visual Dimensional Test (each pipe) | 水压试验(逐支) Hydrostatic Test (each pipe) | 涂层 Coating | 低倍 Macrostructure |
| | | | | | | API 5B 15th edition | 合格 ACCEPTED | 合格 ACCEPTED | 合格 ACCEPTED | | |

| 第三方签字 Name and signature of the Third Party Inspector | | 监理单位签字 Name and signature of the Inspecting Authority | |
|--|--|--|--|
| | | | |

注: Notes: *12 位置 Position: 管体 Pipe Body-B, 管端 Pipe End-E, 端面或坡口检验 End Surface or Groove Test-EG.
*13 无损探伤方法 NDT Type: 磁粉探伤 Magnetic particle inspection Inspection-MPI, 超声波探伤 Ultrasonic Test-UT, 漏磁探伤 Electromagnetic Inspection-EMI, 涡流探伤 Eddy Current Inspection (E.T.)-E, 电磁超声探伤 Electromagnetic Acoustic Testing (EM.A.T.)-EA.

质量管理部负责人 Quality Manager: 田研 审核人 Auditor: 王芳美 制证人 Certificate-maker: 唐艳B299

