

# Yancheng H&M Pressure Valve Co., Ltd

## List for Valve

Customer	Cameron
Description	TOBFV24" 150 LUG STD WG/HW
Quantity	8 pcs

PO No:	4511975170
Material	2404090-24-11-40
Item No:	00010

[illegible][illegible]

Inspection: 

Date: 2018. 10. 11

## Pressure Test per Cameron Procedure X-339166 R4

## Visual Inspection

MSS-SP-55

### Test Details per API 598

We hereby certify that the above valves were processed with to API 598.

Notes :









江苏新中洲特种合金材料有限公司  
Jiangsu New Zhongzhou Special Alloy  
Materials Co.,Ltd.

材质合格证  
MATERIAL TESTED CERTIFICATE  
EN10204-2004 3.1

证书编号  
Cert No.:D1803007-XZ-7

顾客 Customer	盐城高中压阀门有限公司	订单号 Order No.	S18021793~18021797 (2)	材料 Material	UNS S17400/17-4PH	标准和版本号 Specification	MS-021111- (ASTM- A564-630 2010)Rev.04											
炉号 Heat No.	锻件名称 Part Name	数量 Qty pcs	锻造比 Forging ratio	化学成分(重量) Chemical Composition(wt.%)										机械性能 Mechanical Property				
				C Max 0.07	Mn Max 1.00	Si Max 1.00	P Max 0.040	S Max 0.030	Cu 3.00- 5.00	Fe Bal.	Ni 3.00- 5.00	Cr 15.00 - 17.50	Nb+ Ta 0.15- 0.45	屈服强度 YS (MPa) Min725	抗拉强度 TS (MPa) Min860	断后伸长率 E(n50mm) (%) Min16	断面收 缩率 R(%) Min35	硬度 Hardness HRC 28-33
B318374- 30  2369382-24-11	棒料 Bar $\phi$ 80*1093	6	5.2:1	0.06	0.62	0.36	0.028	0.006	3.04	Bal.	4.05	15.56	0.23	735	1004	17	60	32
	棒料 Bar $\phi$ 75*1033	5	5.4:1											冲击温度 Impact Test Temp. °C		冲击值 Akv: $\geq 41J$ Single/单个(J) $\geq 27J$		
	棒料 Bar $\phi$ 90*1203	8	4.8:1											-46°C (D)		63	52	55
	棒料 Bar $\phi$ 110*1388	2	4.5:1															
热处理批号 HT No. RC180309-1	处理方法 Method	炉子类型 Furnace Type	温度 Temp °C	保温, 小时 Holding Time ,h	冷却方法 Cooling Method	无损 检测 NDT	方法 Method	结果 Result										
	■固溶退火 Solution anneal	电炉 Electric	1040	2.0	空冷 AirCooling		■目测 VT	合格 Accept										
	■时效 Aging	电炉 Electric	620	4	空冷 Air Cooling		■超声 UT	合格 Accept										
		电炉 Electric	620	4	空冷 Air Cooling													

兹证明材料已按标准和顾客要求进行了制造、抽样、检验和试验, 结果符合要求。质量体系符合 ISO9001, 参见证书 (501342 QM08)。

We hereby certify that the material was manufactured, sampled and inspected in accordance with the material specification and customer requirements, and was found to meet the requirements. Besides, the quality system can satisfy ISO9001 standard, see certificate (501342 QM08).

试验员 Tested by (QC Inspector)	核准 Approved by (QE)	日期 Date	2018-3-24	顾客/第三方批准 Approved by Customer/3 <sup>rd</sup> Party
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盐城银柱机械制造有限公司 YANCHENG YINZHU MACHINERY CO., LTD.				材质证明书 MATERIAL TEST CERTIFICATE (EN 10204 3.1)										证书编号Certificate No.: SY-180920-001							
地 址: 盐城市亭湖区南阳镇曙光工业园区5号 Address: 5, Shuguang Industry Zone, Nanyang Town, Yancheng, Jiangsu, China				客户Customer: H&M Valve					订单号PO No.: 4511975170					证书日期Certificate Date: 2018.09.20							
				规格Description: 底盖 (Bottom cap)					数量Qty: See Report					材料标准Material Spec.: ASTM A516 Gr70							
电话Tel: +86-515-88180323 传真Fax: +86-515-88180325				交货状态Delivery Condition:																	
牌号 Steel Grade	炉号 Heat No.	尺寸/数量 Size/Pcs	图号 Drawings	化学成份CHEMICAL ANALYSIS (%)										机械性能MECHANICAL PROPERTIES							
				C	Mn	P	S	Si							Tensile	Yield	Elongatio n	Reductio n		Impact	
				0.27 Max.	0.85- 1.2	0.025 Max.	0.025 Max.	0.15- 0.40							485 Min. MPa	260 Min. MPa	17% Min.	21% Min.		J@ °C	
ASTM A516	14103784 N1	24-150/8	2369398-24-14	0.180	1.180	0.014	0.003	0.210						560	389	30	45		---		
外观 Visual	尺寸 Dimension			备注 Remarks																	
合格 Acceptable	合格 Acceptable			We hereby certify that the materials described above have been manufactured, sampled, tested in accordance with the above standard and specification and comply to the material specifications of purchase order.										 Prepared by 李柏松				 批准 Approved by 张银柱			