

PED

MATERIAL TEST CERTIFICATE

Acc. to EN 10204 3.1

Test Certificate No.:20150410002-1

Huafu Hardware & Plastic Products Co. Ltd.

Dafengchewei Industrial Zone, Jinbiao Village,

Minzhong Town, Zhongshan City,Guangdong, China

TEL: 86-760-875571800 FAX: 86-760-85705502

MESSRS: **Ningjin Huamei Machinery Co., Ltd.**

PURCHASE ORDER NO.: HM-GXN-T-030615

PARTS NAME: WCB Valve Body

DATE OF ISSUE: 2015-4-10

Material	ASTM A216-WCB													
Spec. Heat No.	Chemical Composition (%)													
	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	V	Pattern	Article	QTY	
	Max0.3	Max 1.0	Max 0.60	Max0.045	Max 0.04	Max 0.5	Max 0.5	Max 0.2	Max 0.3	Max 0.03	-----			
HM305	0.142	0.564	0.327	0.0065	0.021	0.034	0.11	0.0036	0.020	0.0081		HM-T300-3LT 3"	7	
HM305	0.142	0.564	0.327	0.0065	0.021	0.034	0.11	0.0036	0.020	0.0081		HM-T300-12A 12"	4	
HM305	0.142	0.564	0.327	0.0065	0.021	0.034	0.11	0.0036	0.020	0.0081		HM-T300-12LT 12"	7	
HM105	0.211	0.423	0.241	0.0061	0.024	0.034	0.0083	0.0067	0.019	0.0072		HM-T150-2A 2"	15	
HM105	0.211	0.423	0.241	0.0061	0.024	0.034	0.0083	0.0067	0.019	0.0072		HM-T150-3LT 3"	15	
HM105	0.211	0.423	0.241	0.0061	0.024	0.034	0.0083	0.0067	0.019	0.0072		HM-T150-6LT 6"	15	
HM105	0.211	0.423	0.241	0.0061	0.024	0.034	0.0083	0.0067	0.019	0.0072		HM-T150-12A 12"	4	
Mechanical Properties										Heat Treatment				
Tensile Test: G.L.50mm., Dia. 12.5mm.							Impact Test: ISO-V							
Spec Heat No.	Tensile Strength N/mm ²	Yield Strength (Rp0.2) N/mm ²	Yield Strength (Rp1.0) N/mm ²	Elongation (%)	Area Reduction (%)	Hardness (HB)	Impact Energy(J)							
	485-655	≥250		≥22	≥35		1	2	3	Ave				
HM305	575	306		38	43									
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HM105	567	312		35	47									
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Approved Material Manufacturer acc. to **PED**, Annex I, Section 4.3 by TUV Rheinland. Certificate No.: 01 202 ROC/Q-09 0201

* All condition proceeds according to customer request. *

HF-4-24-02 (Ver. 1)

AUTHORIZED WORK INSPECTOR

陳韻文

