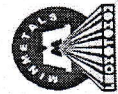


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# 产品质量证明书

## MILL TEST CERTIFICATE

五矿营口中板有限责任公司  
Minmetals Yingkou Medium Plate Co., Ltd.



订货单位 (PURCHASER)	热轧合金钢板 (PRIME HOT ROLLED ALLOY STEEL PLATES)	证明书编号 (NO.)	D070015082018B113605
生产厂家 (PRODUCER)	热轧 (AR)	签发日期 (DATE OF ISSUE)	2018/10/26
合同号 (CONTRACT NO.)	技术条件 (PRODUCTION)	牌号 (GRADE)	A516 GR. 70

炉号 BATCH NO.	批号 BATCH NO.	规格尺寸 (mm)			件数 PIECES	重量 (ton)	拉伸试验 TENSILE TEST				冲击试验 AKV(J) IMPACT TEST			探伤检验 ULTRASONIC TEST				
		T	W	L			屈服ReL (N/mm <sup>2</sup> )	屈服Rp (N/mm <sup>2</sup> )	抗拉Rm (N/mm <sup>2</sup> )	伸长率A (%)	弯曲试验 BEND TEST	尺寸mm <sup>2</sup>	温度 (°C)	1	2	3	探伤级别 RATE	探伤结果 探伤标准
18210484A	201810090084	8	2500	12000	12	22.608		370	520	24.5								
18208603D	201810040160	20	2500	12000	2	9.42		370	540	27								
18210482A	201810090078	10	2500	12000	12	28.26		360	520	25.5								
18210484A	201810090076	12	2500	12000	9	25.434		355	510	25								
合计					35	85.722												

化学成分 CHEMICAL COMPOSITION (%)															
炉号 BATCH NO.	C	Si	Mn	P	S	Als	Al	Cr	Ni	Cu	Mo	V	Ti	Nb	CEV
201810090084	0.18	0.28	1.04	0.013	0.007	0.041	0.042	0.304	0.006	0.007	0.002	0.002	0.003	0.005	0.42
201810040160	0.18	0.27	1.02	0.017	0.002	0.027	0.028	0.302	0.010	0.013	0.002	0.004	0.006	0.004	0.42
201810090078	0.19	0.27	1.01	0.012	0.004	0.028	0.028	0.315	0.006	0.007	0.002	0.003	0.005	0.005	0.42
201810090076	0.18	0.28	1.04	0.013	0.007	0.041	0.042	0.304	0.006	0.007	0.002	0.002	0.003	0.005	0.42

备注	野牛	唐思瑞 Tang Siyao	冶金技术处处长 DIRECTOR OF METALLURGICAL DEPARTMENT
ACCORDING TO EN10204 3.1:Al=Al1 本产品已按照标准要求制造和检验，其结果符合要求，特此证明。 WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HAS MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE MATERIAL SPECIFICATION.		操作员 OPERATOR	冶金技术处处长 DIRECTOR OF METALLURGICAL DEPARTMENT

1748

10/09  
10/08  
10/08  
10/08