

特种工艺资质批准证书 Special Process Certificate

证书编号 Certificate Number: Eb-215013-22-02

中国航发商发 AECC CAE				
特种工艺资质批准证书 Special Process Certificate				
批准类型 Approve Type: 正常批准				
供应商名称 Supplier Name: 麦锡金属处理技术服务(苏州)有限公司			发布日期 Issue Date: 2022-04-08	
地址 Address : 131 Woodsedge Drive Lansing,NY,United States			联系人 Contact person: Deena Crossmore	
工艺名称	子项目	特种工艺编号	供应商技术代表	认可标准
材料检测实验室 Materials Testing Laboratories	化学分析 Chemical Analysis - X 射线荧光 X-Ray Fluorescence	S	George Wildridge	CAP-069; ASTM E539
材料检测实验室 Materials Testing Laboratories	化学分析 Chemical Analysis - 燃烧或熔融法-氮 Nitrogen	G3	George Wildridge	ASTM E1019, E1409
材料检测实验室 Materials Testing Laboratories	化学分析 Chemical Analysis - 燃烧或熔融法-硫 Sulfur	G5	George Wildridge	ASTM E1019, E1941
材料检测实验室 Materials Testing Laboratories	化学分析 Chemical Analysis - 燃烧或熔融法-氢 Hydrogen	G2	George Wildridge	ASTM E1447,CAP-032
材料检测实验室 Materials Testing Laboratories	化学分析 Chemical Analysis - 燃烧或熔融法-碳 Carbon	G1	George Wildridge	ASTM E1019, E1941
材料检测实验室 Materials Testing Laboratories	化学分析 Chemical Analysis - 燃烧或熔融法-氧 Oxygen	G4	George Wildridge	ASTM E1019, E1409



Laboratories				
材料检测实验室 Materials Testing Laboratories	化学分析 Chemical Analysis - 原子发射光谱-电感耦合等 离子体 Inductively Coupled Plasma (ICP)	F2	George Wildridge	ASTM D1976, CAP-017
材料检测实验室 Materials Testing Laboratories	化学分析 Chemical Analysis - 原子发射光谱-火花/电弧 Spark/ Arc (OES)	F3	George Wildridge	ASTM A751, E415, E1086, E1251
材料检测实验室 Materials Testing Laboratories	化学分析 Chemical Analysis - 质谱 Mass Spectroscopy	V	George Wildridge	CAP-079
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - a 层: 锻造 Alpha Case: Wrought	L8	George Wildridge	FAP-032
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 表面 状态 (微观) Near Surface Examinations	LS	George Wildridge	ASTM E3, ASTM E407
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 合金 贫化 Alloy Depletion	L2	George Wildridge	NA
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 宏观 检查 Macro Examination	XL	George Wildridge	ASTM E340, E381
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 夹杂 物等级 Inclusion Rating	L12	George Wildridge	ASTM E45, E1245
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 金相 评估 Metallographic Evaluation	L0	George Wildridge	ASTM E3, ASTM E407
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 晶间 腐蚀/晶间氧化 IGA/IGO	L7	George Wildridge	AMS 2772; ASTM A262, G28, G110, BSS 7219



材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 晶粒 度评估 Grain Size Measurement	L11	George Wildridge	ASTM E112, E1382
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 渗氮 Nitriding	L6	George Wildridge	NA
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 脱碳/ 脱氮 Carburization/Decarburization	L10	George Wildridge	ASTM E1077 (Optical)
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 显微 硬度 Microindentation Hardness	L1	George Wildridge	ASTM E384/E92
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 显微 硬度-表面层深度 (Surface-case depth)	L5	George Wildridge	SAE J423
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 氧化/ 腐蚀层 Oxidation/Corrosion Layers	L3	George Wildridge	NA
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro indentation Hardness - a 层: 铸造 Alpha Case: Castings	L9	George Wildridge	FAP-032
材料检测实验室 Materials Testing Laboratories	紧固件测试 Fastener Testing - 腐蚀-盐雾 Corrosion – Salt Spray	Q	George Wildridge	ASTM B117, D610, G85; ISO 9227
材料检测实验室 Materials Testing Laboratories	力学试样制备 Mechanical Testing Specimen Preparation - 标准试样加工 Standard Specimen Machining	Z	George Wildridge	NA
材料检测实验室 Materials	力学试样制备 Mechanical Testing Specimen Preparation	Z1	George Wildridge	NA



Testing Laboratories	- 低应力磨削 Low Stress Grind			
材料检测实验室 Materials Testing Laboratories	力学试样制备 Mechanical Testing Specimen Preparation - 低应力磨削和抛光 Low Stress Grind and Polish	Z2	George Wildridge	NA
材料检测实验室 Materials Testing Laboratories	力学试样制备 Mechanical Testing Specimen Preparation - 特殊用途试样 Special Purpose Specimens	Z4	George Wildridge	NA
材料检测实验室 Materials Testing Laboratories	力学试样制备 Mechanical Testing Specimen Preparation - 铸造样品 Casting Specimen	Z3	George Wildridge	NA
材料检测实验室 Materials Testing Laboratories	力学性能测试 Mechanical Testing - 持久 Stress Rupture	C	George Wildridge	ASTM E139, E292;
材料检测实验室 Materials Testing Laboratories	力学性能测试 Mechanical Testing - 冲击 Impact	N	George Wildridge	ASTM E23; MPIF 59; ISO 148-1
材料检测实验室 Materials Testing Laboratories	力学性能测试 Mechanical Testing - 低周疲劳 Low Cycle Fatigue	Y	George Wildridge	ASTM E606
材料检测实验室 Materials Testing Laboratories	力学性能测试 Mechanical Testing - 断裂韧度 Fracture Toughness	P	George Wildridge	ASTM B645, E399, E1820
材料检测实验室 Materials Testing Laboratories	力学性能测试 Mechanical Testing - 高温拉伸 Elevated Temperature Tensile	B	George Wildridge	ASTM E21
材料检测实验室 Materials Testing Laboratories	力学性能测试 Mechanical Testing - 高周疲劳 High Cycle Fatigue	O	George Wildridge	ASTM E466
材料检测实验室 Materials Testing Laboratories	力学性能测试 Mechanical Testing - 裂纹扩展 Crack Propagation Measurement	XE	George Wildridge	ASTM E647
材料检测实验室	力学性能测试 Mechanical	XA	George	ASTM E139



Materials Testing Laboratories	Testing - 蠕变 Creep		Wildridge	
材料检测实验室 Materials Testing Laboratories	力学性能测试 Mechanical Testing - 室温拉伸 Room Temperature Tensile	A	George Wildridge	ASTM A48/A48M, A370, B557, E8/E8M, E345, F606/F606M
材料检测实验室 Materials Testing Laboratories	力学性能测试 Mechanical Testing - 弯曲 Bend	XN	George Wildridge	ASTM A370, D522 Method B; ASME Section IX
材料检测实验室 Materials Testing Laboratories	试样热处理 Specimen Heat Treating	XG	George Wildridge	NA
材料检测实验室 Materials Testing Laboratories	应力腐蚀 Stress Corrosion	Q1	George Wildridge	ASTM F945, G30, B154, B858; ISO 12614-2
材料检测实验室 Materials Testing Laboratories	硬度 Hardness - 布氏硬度 Brinell	M1	George Wildridge	ASTM A370, E10
材料检测实验室 Materials Testing Laboratories	硬度 Hardness - 洛氏硬度 Rockwell	M2	George Wildridge	ASTM A370, E18, F606/F606M; SAE J429, J995
材料检测实验室 Materials Testing Laboratories	硬度 Hardness - 维氏硬度 Vickers	M3	George Wildridge	ASTM E92, E384

备注 Remark:

中国航发商发具体采购控制件所涉及特种工艺的工艺规程应由中国航发商发批准。

The special process procedures shall be approved by AECC CAE for the Sourcing Control Parts of AECC CAE products.

兹证明中国航发商发对贵单位上述工艺进行了技术及质量方面的审核，并证明可满足上述规范的要求。本证书不构成对规范要求、检验、测试、记录保持、及/或合同订单条款的免除，也不保证产品一定被中国航发商发接收。当规范、工程图纸或订单中要求提交单独的零件或试样进行认可时，应按要求进行。



中国航发商发可在任何时候对本证书所授予合格的相关设施进行检查,以确保可持续地满足中国航发商发的要求。

This is to certify that a review has been completed of your technical and quality system controls used for the above named process(es) and found them to be capable of satisfying the requirements of the above specifications. This certification does not in itself constitute a waiver of specification requirements as to inspection, testing, maintenance of records, and/or other provisions of the Purchaser Order/Sub Contract, nor does it guarantee the acceptance of articles produced for AECC CAE. Requirements for the submission and qualification of individual parts/samples or other items as contained in specifications, engineering drawings or Purchaser Order will be completed as outlined. Inspection of the facilities for which this certification is granted may be conducted at any time by AECC CAE to determine continued compliance with AECC CAE requirements.

本合格证书的有效期为: 2024-04-07

除非被中国航发商发取消。

The certification shall expire at 2024-04-07, unless canceled by an AECC CAE.

主管供应商副总经理签字:



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