

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

证书编号 Certificate Number: Eb-215013-22-03

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: 2022-09-30	
地址 Address: 苏州工业园区胜浦镇江浦路 75 号			联系人 Contact person: 杨小艳	
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 - 燃烧或熔融法-氮 Nitrogen	G3	戴青云	ASTM E1019, ASTM 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	戴青云	ASTM E1019
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	戴青云	ASTM E1447, CZP-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	戴青云	ASTM E1019, ASTM 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	戴青云	ASTM E1019, ASTM E1409
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	戴青云	ASTM A751, ASTM E415, ASTM E1086, ASTM E1251, ASTM E1999, ASTM E2994, ASTM E3047, CZP-045
材料检测实验室	金相和显微硬度	L8	吴春勇	ASTM E407



Materials Testing Laboratories	Metallography and Micro Indentation Hardness - a 层: 锻造 Alpha Case: Wrought			
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	吴春勇	ASTM E3, ASTM E1077
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 覆膜 Replication	L13	吴春勇	ASTM E1351
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	吴春勇	ASTME3, ASTM E1077
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	吴春勇	ASTM E340, ASTM E381; GB/T 226, 1979
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	吴春勇	ASTM E45-a, ASTM A247, ASTM E3, ASTM E407; GB/T 13298; ISO 20160
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	吴春勇	AMS 2772; AMS-H-6088; ASTM A262(Method A&E), ASTM G110
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	吴春勇	ASTM E3
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	吴春勇	SAE J423(Optical and Hardness Methods); GB/T 9450; ASTM E1077(Optical); GB/T 224
材料检测实验室 Materials Testing	金相和显微硬度 Metallography and Micro	L1	吴春勇	ASTM E384; ASTM E3, ASTM



Laboratories	Indentation Hardness - 显微硬度 Microindentation Hardness			E407, GB/T 4340.1
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	吴春勇	ASTM E3, ASTM E1077, 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	吴春勇	NA
材料检测实验室 Materials Testing Laboratories	金相和显微硬度 Metallography and Micro Indentation Hardness - 铸模反应 Casting (Mold) Reactions	L4	吴春勇	ASTME3, ASTM E1077
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	吴春勇	ASTM E407
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	吴春勇	ASTM E45, GB/T 10561
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	吴春勇	ASTM E112, ISO 643, GB/T 6394, GB/T 24177
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	于通泊	NA
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 Low Stress Grind	Z1	于通泊	NA
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	于通泊	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	于通泊	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	于通泊	NA
材料检测实验室 Materials Testing Laboratories	力学性能测试 Mechanical Testing - 持久 Stress Rupture	C	李兴谋	ASTM E139, ASTM E292; GB/T 2039
材料检测实验室 Materials Testing Laboratories	力学性能测试 Mechanical Testing - 冲击 Impact	N	李兴谋	ASTM A370, ASTM E23; ISO 148-1; GB/T 229
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	李兴谋	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	李兴谋	ASTM E399, GB/T 4161
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	李兴谋	ASTM E21; GB/T 228.2; ISO 6892.2
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	李兴谋	ASTM E466, ISO 1143, GB/T 4337
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	李兴谋	ASTM E647, GB/T 6398
材料检测实验室 Materials Testing Laboratories	力学性能测试 Mechanical Testing - 蠕变 Creep	XA	李兴谋	ASTM E139; GB/T 2039
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	李兴谋	ASTM A370, ASTM B557/557M, ASTM E8/E8M; GB/T 228.1; ISO 6892.1
材料检测实验室 Materials Testing Laboratories	试样热处理 Specimen Heat Treating	XG	李兴谋	AMS 2750
材料检测实验室 Materials Testing	应力腐蚀 Stress Corrosion	Q1	吴春勇	ASTM A262



Laboratories				
材料检测实验室 Materials Testing Laboratories	硬度 Hardness - 布氏硬度 Brinell	M1	吴春勇	ASTM A370, ASTM E10; GB/T 231.1
材料检测实验室 Materials Testing Laboratories	硬度 Hardness - 洛氏硬度 Rockwell	M2	吴春勇	ASTM A370, ASTM E18; GB/T 230.1

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：2023-10-12

除非被中国航发商发取消。

The certification shall expire at 2023-10-12, unless canceled by an AECC CAE.

主管供应商副总经理签字：



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