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## 检验报告单

### Certificate Of Analysis

SPE-3004.02 附件 1.03

产品名称: 4-(1-羟基-1-甲基乙基)-2-丙基-1H-咪唑-5-羧酸乙酯		
Product Name: 4-(1-hydroxy-1-methylethyl)-2-propyl-1H-imidazole-5-carboxylic acid ethyl ester		
CAS 号: CAS Number:	144689-93-0	生产日期: MFG Date:
批号: Lot No.:	ATA3.07-20240301	复验日期: Retest Date:
执行标准: Specification:	SPE-3004.02-05	报告日期: Report Date:
储存条件: 室温密闭保存。 Storage: Stored in a well-closed container at room temperature.		
其他信息 Other Info: 批重量 Batch size: 369.86kg.		
检测项目 TEST ITEMS	标准限度 LIMITS	检测结果 RESULTS
外观 Description	类白色至淡黄色粉末 Off-white to pale yellow powder	淡黄色粉末 Pale yellow powder
鉴别 Identification	HPLC: 纯度及有关物质项下, 供试品主峰保留时间与对照品主峰保留时间一致。 The retention time of the major peak in the chromatogram of the sample corresponds to that of the standard as obtained in purity and related substances. IR: 供试品红外谱图与对照品红外谱图一致。 The sample IR spectrum is according to the CRS IR spectrum.	符合 Conform  符合 Conform
水分 Water(KF)	≤ 0.5%	0.06%
炽灼残渣 Residue on ignition	≤ 0.5%	0.05%
纯度 Purity (HPLC)	≥ 98.0%	99.3%
杂质 A Impurity A	≤ 1.0%	0.09%
杂质 B Impurity B	≤ 1.0%	0.11%
杂质 C Impurity C	≤ 0.5%	0.04%
杂质 D Impurity D	≤ 0.1%	0.02%
杂质 E Impurity E	≤ 0.1%	0.03%
杂质 F Impurity F	≤ 0.5%	未检出 Not detected
最大未知杂质 Maximum unknown impurity	≤ 0.5%	0.12%
未知总杂质 Unknown total impurities	≤ 1.0%	0.40%
总杂质 Total impurities	≤ 2.0%	0.69%
结论 Conclusion	符合 Conform	

报告人/日期: 李原 2024.03.05  
 Reported by/Date:

批准人/日期: 张凤同 2024.03.05  
 Approved by/Date:

