



PREMIUM INGREDIENT CO.,LTD

CERTIFICATE OF ANALYSIS

产品名称: L-半胱氨酸盐酸盐无水物		
Product: L-Cysteine Hydrochloride Anhydrous		CAS No: (52-89-1)
重量: Quantity: 25kgs × 40		
批号: Lot No: 180411		报告日期: Date: APR 15, 2018
Item 项目	Specification 标准	Result 检测结果
外观 Appearance	White crystalline powder	Conform
鉴别 Identification	Infrared absorption	Conform
比旋度 Specific rotation $[\alpha]_D^{20}$	+5.6 to +8.9°	+6.8°
溶解状况 State of solution (Transmittance)	Clear and colorless Not less than 98.0 %	99.6%
含氯量 Chloride(Cl)	22.20 to 22.60 %	22.44%
铵盐 Ammonium(NH ₄)	Not more than 0.02 %	<0.02 %
硫酸根 Sulfate(SO ₄)	Not more than 0.02 %	<0.020 %
铁 Iron(Fe)	Not more than 10ppm	<10 ppm
重金属 Heavy metals(Pb)	Not more than 10ppm	<10ppm
砷 Arsenic(as As ₂ O ₃)	Not more than 1ppm	< 1 ppm
其他氨基酸 Other amino acids	Chromatographically Not detectable	conforms
干燥失重 Loss on Drying	Not more than 1.0 %	0.30%
灼烧残渣 Residue on ignition(sulfated)	Not more than 0.1 %	0.05%
含量 Assay	98.0 to 102.0 %	99.8%
pH	1.5 to 2.0	1.7

结论 Conclusion : Agree with the specification of AJI92.

Manu.Date: APR 11, 2018

Expire Date: APR 10, 2020

检验报告员 Inspector:

赵敏

复核人 Auditor:

周娟

质检部负责人 Chief of QC:

彭江收