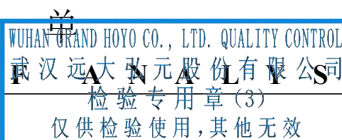


武 汉 远 大 弘 元 股 份 有 限 公 司

WUHAN GRAND HOYO CO., LTD.

NO.1 INDUSTRIAL PARK, GEDIAN ECONOMY DEVELOPMENT ZONE, E'ZHOU CITY, HUBEI, CHINA

质 检



WUBC

C E R T I F I C A T E O F A N A L Y S I S

C607-2206114F-1

产品名称: L-酪氨酸 (非动物源)

Product: L-TYROSINE (NON-ANIMAL SOURCE /VEGAN)

CAS No: (60-18-4)

重 量: Quantity: 1000KG

批 号: Lot No: C607-202206114F

检验日期: Date: JUN 28, 2022

Item 项目	Specification 标准(USP40)	Result 检测结果	Methods 检测方法
外 观 Appearance	White crystals or crystalline powder, odorless; tasteless	Conforms	Visual
鉴 别 Identification	Infrared Absorption	Conforms	IR
含 量 Assay	98.5 to 101.5% (Calculated on the dried basis)	99.9%	USP- ASSAY
比旋度 Specific rotation $[\alpha]_D^{25}$	-9.8°to -11.2°	-10.4°	USP-781S
干燥失重 Loss on Drying	Not more than 0.3 %	0.11%	USP-731
灼烧残渣 Residue on ignition	Not more than 0.4%	0.05%	USP-281
含氯量 Chloride (Cl)	Not more than 0.04%	<0.04%	USP-221
硫酸根 Sulfate (SO ₄)	Not more than 0.04%	<0.04%	USP-221
铁 Iron (Fe)	Not more than 30ppm	<30ppm	USP-241
重 金 属 Heavy metals (Pb)	Not more than 10ppm	<10ppm	USP-231
铅 Lead	Not more than 2ppm	<2ppm	AFS
砷 Arsenic	Not more than 1ppm	<1ppm	AJI
镉 Cadmium	Not more than 1ppm	<1ppm	AAS
汞 Mercury	Not more than 0.1ppm	<0.1ppm	AAS
层析纯度 Chromatographic purity	Chromatographically not detectable	Conforms	USP
残留溶剂 Residual Solvents	Meets the requirements	Meet the requirements	USP
Any Individual impurity	Not more than 0.5%	Conforms	USP
Total impurities	Not more than 2.0%	Conforms	USP
Mesh Size	80Mesh	Conforms	Sieving
Total plate count	Less than 1000 cfu/g	Conforms	CP
Yeast & molds	Less than 100 cfu/g	Conforms	CP
Coliforms:	Less than 10 cfu/g	Conforms	CP
E Coli	Negative/25g	Negative	CP
Salmonella	Negative/25g	Negative	CP
Pseudomonas	Negative/25g	Negative	CP
S.Aureus	Negative/25g	Negative	CP

结论 Conclusion :Agree with the specification of USP40.

备注 REMARKS: NON-ANIMAL SOURCE/ VEGAN/ FERMENTATION. MADE IN CHINA

STORAGE CONDITIONS: PRESERVE IN TIGHT CONTAINERS AT CONTROLLED ROOM TEMPERATURE

Manu. Date: JUN 13, 2022

Expire Date: JUN 12, 2024

检验报告员:

复核人:

质检部负责人:

Inspector:

Auditor:

Chief of QC:

陈彩红

赵敏

张婷