

远 大 弘 元

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WUHAN

GRAND

LTD.

D-462 NOVEL INDUSTRIAL PARK, GEDIAN ECONOMY DE ZHOU CITY, HUBEI, CHINA

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C103-2005038-1

CERTIFICATE 产品名称: N-乙酰-L-半胱氨酸(非动物源/素食)

Lot №: C103-202005309F

Product: N-ACETYL-L-CYSTEINE (NON ANIMAL SOURCE/VEGAN)

CAS No: (616-91-1)

批 Quantity: 25KGS X40

Date: MAY 15, 2020 报告日期 Report

批 量 Quantity: 25KGS X40		报告日期 Report Dat	te: MAY 15, 2020
Item 项目		Specification 标准(EP9 & USP39)	Result 检测结果
Characters		A White ,crystalline powder or Colourless crystals	符合 Conforms
Solubility		Freely soluble in water and in alcohol, practically insoluble in methylene chloride	符合 Conforms
	Specific rotation [a]D ²⁰	+21.0 to +27.0° (on dried basis)	+22.5°
	熔 点 Melting point	104°C to 110°C	108℃to109℃
	红外光谱 Infrared Spectrum	符合标准 Compares to standard	符合 Conforms
鉴别 Identification	相关物质 Related substances	The chromatograms obtained with sample and standard are compared. The retention time and size of the principal peak in the chromatograms should be the same	符合 Conforms
	鉴别反应 Identification reaction	显现深紫色 A dark violet colour develops	符合 Conforms
溶解状况 appearance of solution		样品溶液澄清无色 Solution S is clear and colourless	符合 Conforms
酸度 pH		2.0 to 2.8	2.2
锌 Zinc		不得大于 Not more than 10 ppm	<10 ppm
重 金 属 Heavy metals(Pb)		不得大于 Not more than 10ppm	<10 ppm
铅 Lead		不得大于 Not more than 3ppm	<3 ppm
砷 Arsenic		不得大于 Not more than 1ppm	<1 ppm
镉 Cadmium		不得大于 Not more than 1ppm	<1 ppm
汞 Mercury		不得大于 Not more than 0.1ppm	<0.1 ppm
干燥失重 Loss on Drying		不得大于 Not more than 1.0%	0.11%
灼烧残渣 Residue on ignition(sulfated) 🗸		不得大于 Not more than 0.2%	0.05%
相关物质 related substances		L-Cystine ≤0.5%	<0.05%
		L-Cysteine ≤0.5%	<0.05%
		N,N'-diacetyl-L-cystine <0.5%	<0.05%
		N S-Diacetyl-L-Cysteine ≤0.5% The Biggest Non Identified Impurity ≤0.5%	<0.05%
		The Biggest Non Identified Impurity <0.5% Sum of Impurities <0.5%	<0.05%
含 量 Assay (on dried substance)		98.0 to 101.0 %	99.5%
• • • • • • • • • • • • • • • • • • • •		Meet the requirements	Meet the requirements
颗粒度 Particle Size		100% pass 20Mesh	Conforms
Bulk Density(Tap Density) 紧密度		0.75-0.85g/ml	0.82g/ml
Total Plate Count		< 1000cfu/g	Conforms
Yeast & molds		< 100cfu/g	Conforms
Salmonella		Negative/25g	Conforms
E Coli		Negative/25g	Conforms
Staphylococcus		Negative/25g	Conforms
(付) 大日 校 EDO 0 HODO 0 年)を (大田 放入 田 ウ C 1 : A : 1 1 : EDO 0 HODO 0			

结论: 本品按 EP9& USP39 标准检验,结果符合规定。 Conclusion: Agree with the specification EP9 & USP39.

备注: Remarks: Vegan/Non Animal Source. Origin: D,L-2-amino- \(\Delta \) 2-thiazoline-4-carboxylic acid (ATC)

STORAGE CONDITIONS: PRESERVE IN TIGHT CONTAINERS AT CONTROLLED ROOM TEMPERATURE

Manu. Date: MAY 08, 2020

检验报告员:

Inspector:

复核人: Auditor:

质检部负责人:

Expire Date: APR 30, 2023

Chief of QC:

专了证妆