

**金城医药**

JINCHENG PHARMA

— 生物健康板块 —

山东金城生物药业有限公司

SHANDONG JINCHENG BIO-PHARMACEUTICAL CO., LTD.

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PRODUCT SPECIFICATION USP

Product Name		L-Glutathione Reduced
Inspection Standard		USP43
Test Items		Specification
Description		A white crystalline powder
Assay (bas on dry)		98.0%~ 101.0%
Identification	IR	Similar with the Reference Spectrum
	Optical Rotation	-15.5°~-17.5°
Inorganic impurities	Ammonium	Not more than 200ppm
	Arsenic	Not more than 1ppm
	Chlorides	Not more than 200ppm
	Sulphates	Not more than 300ppm
	Heavy Metals	Not more than 10ppm
	Iron	Not more than 10ppm
	Cadmium	Not more than 1ppm
	Lead	Not more than 3ppm
	Mercury	Not more than 0.1ppm
	Residue on Ignition	Not more than 0.1%
Organic impurities	Total	Not more than 2.0%
	GSSG	Not more than 1.5%
Clarity and color of solution		Clear and Colorless
Residual solvents		Meet the requirement
Loss on Drying		Not more than 0.5%
Microbiology	Total plate count	≤1000cfu/g
	Yeast and mold count	≤100cfu/g
	Total coliforms	≤100cfu/g
	E. coli	Absent/10g
	S. aureus	Absent/10g
	Salmonella	Absent/10g

Molecular Formula: C10H17N3O6S**Molecular Weight: 307.32****Appearance: white crystalline powder****Assay: 98.0%~101.0%****Application: Widely used in Pharmaceuticals, Nutraceuticals, health functional foods, Dietary supplement, Beverages, Cosmetics etc.****Country of Origin:China****Shelf life:3 Years**

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王 辉

General Manager