

METAPHARMACEUTICAL

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Off

12/06/2024

Hallochem Group

HALLOCHEM

Chongqing Waycome Pharmaceutical Co.,Ltd.

CERTIFICATE OF ANALYSIS

-revised

Product name	L-Glutathione Reduced (COSMETIC grade)	Batch No.	GTR20240301
Manuf. Date	2024-03-06	Expiry Date	2029-03-05
Batch Quantity	750KG	Test Standard	Factory standard

ANALYSIS ITEM	SPECIFICATION	RESULT
Characteristics	White crystals or crystalline powder	White crystalline powder
Identification	Corresponding to Reference Spectrum	Complies
Specific rotation	-15.5° ~ -17.5°	-16.8°
Bulk density	≥0.2g/ml	0.48g/ml
tightness	≥0.4g/ml	0.78g/ml
Clarity and color of solution	The solution is clear and colorless	Complies
Chloride	≤200ppm	Complies
Sulfate	≤300ppm	Complies
Ammonium	≤200ppm	Complies
Iron	≤10ppm	Complies
Arsenic	≤10ppm	Complies

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lead	≤2ppm	Complies
Hg	≤0.2ppm	Complies
Cadmium	≤0.3ppm	Complies
Related substance	Total impurities : ≤2% SSG≤1.5%	0.54% 0.24%
Heavy metals	≤10ppm	Complies
Loss on drying	≤0.50%	0.24%
Residue on ignition	≤0.10%	0.04%
Assay	98.0%~101.0%	99.70%

Conclusion: Complies with the factory standard

Quality Manager:

吴永章

Rechecker:

易润成

Analyst:

刘兵

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