



Add: Qinchuang Chang'an Industrial Park, No. 333 Xuefu Street, Xi'an, Shaanxi, China

Tel : +86-029-88825003 Phone: +86 13759929300 Email: sales05@xaseason.com

Certificate of Analysis

Product Name:	Glutathione Reduced/L-Glutathione		
CAS NO.:	70-18-8	Manu Date:	10 th , Oct, 2024
Batch Number:	Sj20241010	Expiration Date:	09 th , Oct, 2026
Quantity:	1500kg	Report Date:	11 th , Oct, 2024
Test Method:	HPLC	Standards:	USP40
Storage Condition:	Store in a well-closed and dry place with constant low temperature and Non-direct sunlight.		

Item	Standard	Test Result
Assay	98.0%~101.0%	99.25%
Appearance	Crystalline powder	Conforms
Color	White	Conforms
Identification IR	Similar with the reference spectrum	Conforms
Optical Rotation	-15.5° ~ -17.5°	-16.8°
Clarity and color of solution	Clear and colourless	Clear and colourless
Total heavy Metals	≤10.0ppm	Conforms
Arsenic	≤1ppm	Conforms
Cadmium	≤1ppm	Conforms
Lead	≤3ppm	Conforms
Mercury	≤0.1ppm	Conforms
Sulfates	≤300ppm	Conforms
Ammonium	≤200ppm	Conforms
Iron	≤10ppm	Conforms
Residue on ignition	≤0.1%	0.02%
Loss on drying	≤0.5%	0.15%
Related substances		
Total	≤2.0%	0.45%
GSSG	≤1.5%	0.15%

Quality Assurance Officer: XiaoLiang Li

Analyst: Li He