

Total Ingredients

CERTIFICATE OF ANALYSIS L-GLUTATHIONE REDUCED

Product	L-Glutathione Reduced		
Product Code	THOT40068		
Batch No	THLOT/LGL/109/22		
Date of Manufacturing	October 2022		
Re- Analysis Date	Sept 2024		
Quantity	350 Kg		
Grade	Food grade		
Country of Origin	India		
Parameter	Specification	Result	Method/Protocols
Physical			
Description	White to off white crystalline powder with characteristic taste and odor	Complies	Physical
Identification IR	Positive	Complies	In-House
Loss on drying	Not more than 0.5 %	0.22%	USP<731>
Residue on ignition	Not more than 0.1 %	0.08%	USP<281>
Bulk Density	Not less than 0.20g/ml	0.48 g/ml	USP<616>
Tapped Density	Not less than 0.40g/ml	0.66 g/ml	USP<616>
Optical Rotation	-15.5° to -17.5°	-16.9°	In-House
Clearness and color of solution	Clear and colorless	Complies	In-House
Others			
Heavy metal	Not more than 10.0 ppm	Complies	USP<231>
Lead	Not more than 2.0 ppm	Complies	USP<852>
Cadmium	Not more than 0.3 ppm	Complies	USP<852>
Arsenic	Not more than 1.0 ppm	Complies	USP<852>
Mercury	Not more than 0.2 ppm	Complies	USP<852>
Ammonium	Not more than 200 ppm	Complies	By GC
Sulphates	Not more than 300 ppm	Complies	By GC
Chlorides	Not more than 200 ppm	Complies	By GC
Total Impurities	Not more than 2.0%	0.61%	In-House
GSSG	Not more than 1.5%	0.35%	In-House
Chemical Analysis			
Assay – L- Glutathione Reduced	98.0% - 101.0%	99.3%	In-House
Microbiological Profile			
Total plate count	Not more than 1,000cfu/g	Complies	USP<61>
Yeast and Mould count	Not more than 100cfu/g	Complies	USP<61>
Salmonella	Absent	Absent	USP<62>
Coliforms	Not more than 100cfu/g	Absent	USP<62>
Staphylococcus aureus	Absent	Absent	USP<62>
Since the product is derived from natural origin, there is likely to be minor color variation because of the geographical and seasonal variations of the raw material			
REMARKS: COMPLIES WITH IN HOUSE SPECIFICATIONS			

Declaration:-

GMO Status:- Free from GMO
Irradiation status: Non – Irradiated

Allergen statement: -Free from allergen
Storage condition: At cool and dry place

Prepared by
Executive – QC

Approved by
Head-QC/QA

*The product is manufactured by Pure TruHerb Pvt. Ltd.