



Xi'an Green Spring Technology Co.,Ltd

Certificate of Analysis

Product Name	Yeast Extract (Reduced Glutathione50%)		
Batch Number	20240411GS	Quantity	125kg
Manufacture Date	Apr. 11th, 2024	Expiry Date	Apr. 10th, 2026

Item of Analysis	Specification	Results	Test Basis
Reduced glutathione(GSH)	>50%	53.6%	Titration
Organoleptic			
Appearance	Yellow to light brown powder, Free flowing without lumps.	Complies	Visual
Odor&Taste	Characteristic of yeast extract, free from foreign and off odors/taste.	Complies	Organoleptic
Physical Characteristics			
Moisture (%)	≤ 6.0%	1.4%	GB5009.3
Ash Content	≤ 12.0%	8.10%	GB5009.4
Amino nitrogen (salt free drymatter)	≥2.0%	3.8%	USP43
NaCl, %	≤5.0%	3.9%	USP43
Total nitrogen (salt free drymatter)	≥8.0%	11.9%	USP43
PH value, (2% solution)	3.0-6.5	3.7	USP43
Particle Size	95% Pass 80M	Complies	USP43
Heavy metals			
Total Heavy Metals	10.0ppm Max	Complies	Colorimetry
Lead (Pb)	3.0ppm NMT	Complies	ICP-MS
Arsenic (As)	2.0ppm NMT	Complies	ICP-MS
Cadmium(Cd)	1.0ppm NMT	Complies	ICP-MS
Mercury (Hg)	0.1ppm NMT	Complies	ICP-MS
Microbiological Tests			
Total Plate Count	1000cfu/g Max	Complies	CP2015
Yeast & Mold	100cfu/g Max	Complies	CP2015
E. Coli.	Negative	Negative	CP2015
Coliforms	Negative	Negative	CP2015
Salmonella	Negative	Negative	CP2015
Staphylococcus aureus	Negative	Negative	CP2015

Standard: The quality is in compliance with USP43.

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

Quality Assurance: Liang Yan

