



Shaanxi Fairir Biotech Co.,Ltd

陕西梵若生物科技有限公司

Certificate of Analysis

Product Name	Wheat Germ Extract	Botanical Source -Used Part	<i>Triticum aestivum</i> L.-Wheat Germ
Specification	Spermidine trihydrochloride $\geq$ 0.5%	Country of Origin	China
Batch number	JT20250615	Extraction Solvent	Water
Batch Quantity	1000.0 KG	Manufacture Date	June 15, 2025
Inspection Date	June 18, 2025	Expiration Date	June 14, 2027

ITEMS	SPECIFICATION	RESULT	METHOD
Content			
Identification	Correspond to Standard	Conform	TLC USP<201>
Assay (Spermidine trihydrochloride)	$\geq 0.5\%$	0.555%	HPLC

PHYSICAL CHARACTERISTICS

Appearance	Off-white Powder	Conform	Visual
Odor	Characteristic	Conform	Organoleptic
Taste	Characteristic	Conform	Organoleptic
Particle Size	NLT 95% Through 80 mesh	98.8%	Analytical sieving USP <786>
Loss on Drying	NMT 5.0 %	3.12%	USP <731>
Total Ash	NMT 5.0 %	0.85%	USP <561>

CHEMICAL CHARACTERISTICS

Heavy Metals(as Pb)	NMT 10 ppm	Conform	USP <231> Method II
Arsenic (As)	NMT 2 ppm	0.56 mg/kg	ICP-MS USP <233>
Lead (Pb)	NMT 2 ppm	0.12 mg/kg	ICP-MS USP <233>
Cadmium(Cd)	NMT 1 ppm	Conform	ICP-MS USP <233>
Mercury(Hg)	NMT 0.1 ppm	Not Detected	ICP-MS USP <233>
PAH4	NMT 50 ppb	Conform	GC-MS
Ethylene Oxide	NMT 0.1 ppm	Not Detected	GC-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT 1,000 cfu/g	Conform	USP<61>
Total Yeast & Mold	NMT 100 cfu/g	Conform	USP<61>
<i>E. Coli</i>	Not Detected in(g) 10	Not Detected	USP<62>
<i>Salmonella</i>	Not Detected in(g) 25	Not Detected	USP<62>
<i>Staphylococcus</i>	Not Detected in(g) 10	Not Detected	USP<62>

Conclusion: Conforms with specification, Non-GMO, Allergen Free, BSE/TSE Free

Packing and Storage	Polyethylene bag with cardboard drum. 25 kg/180kg net. Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.
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Zhang Rong

Wei Li Juan



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Detected by:

Checked by: