



Hongda
Phytochemistry

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Headquarter: 1932 S Lynx Place, Ontario, CA 91761,US

Factory: No.2, Hongda Industrial District, Dacheng, Sanyuan, Xianyang, Shaanxi,China.

USA Warehouse: 1932 S. Lynx PL, Ontario, CA 91761,US

NJ Warehouse: 52 Butler Street, Unit A Elizabeth, NJ 07206

Certificate of Analysis

Nattokinase 20,000 FU/G UV

Batch No.	ND-201208	Manufacturing Date	12/08/2020
Batch Quantity	1000KG	Expiration Date	12/07/2023
Botanical Source	<i>Bacillus subtilis Natto</i>	Country of Origin	China
Appearance	Off-White Fine Powder	Part Used	Natto seed (100% Natural)
Sterilization Method	Heat NON-IRR	Kosher Halal	Yes No

ITEMS	SPECIFICATION	RESULT	METHOD
Content	Nattokinase Activity \geq 20,000FU/G	21,500FU/G	UV USP<851>
Identification	Correspond to standard	Conform	TLC USP<201>

PHYSICAL CHARACTERISTICS

Odor	Deodorization	Conform	Sensory
Particle Size	NLT 95% Through 80 mesh	99.10%	Analytical sievingUSP <786>
Loss on Drying	\leq 8.00%	2.99%	USP <731>
Total Ash	\leq 5.00%	1.60%	USP <561>
Vitamin K2	\leq 10ppm	Negative	USP
Purine	Negative	Conform	USP
Soy Isoflavone	Negative	Conform	USP
Solubility	Water Soluble	Conform	In house
Bulk Density	Between 40-60g/100ml	48.00g/100ml	USP <616> Method I

CHEMICAL CHARACTERISTICS

Allergen detection	Non ETO Treated	Conform	USP <34>
Pesticide Residue	Meet the requirements	Conform	GC USP <561>
Heavy Metals(as Pb)	NMT 10ppm	Conform	USP <231> Method II
Arsenic (As)	NMT 2ppm	<2ppm	ICP-MS
Lead (Pb)	NMT 2ppm	<2ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	<1ppm	ICP-MS
Mercury(Hg)	NMT 1ppm	<0.05ppm	ICP-MS
Aflatoxin (B1+B2+G1+G2)	\leq 5 μ g/kg	1.20 μ g/kg	ICP-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT10000cfu/g	Conform	USP<61>
Total Yeast & Mold	NMT1000cfu/g	Conform	USP<61>
E.Coli	Not Detected in(g) 10	Not Detected	USP<61>
Salmonella	Not Detected in(g) 25	Not Detected	USP<61>
Staphylococcus	Not Detected in(g) 10	Not Detected	USP<61>
Bacillus Subtilis Natto	Not Detected in(g) 10	Not Detected	USP<61>

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

Tested by: Tracy Cui **Date:** 12/16/2020

Approved by: Jack Jia **Date:** 12/16/2020