

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Nattokinase		
<b>Botanical Name</b>	<i>Bacillus subtilis</i> natto		
<b>Used part</b>	Seeds		
<b>Drying Method</b>	Freeze drying		
<b>Batch Number</b>	20221021	<b>Manufacture Date</b>	20221021
<b>Report Date</b>	20221021	<b>Expiry Date</b>	20241020

Item of Analysis	Specification	Results	Test Methods
Assay (NattoKinase)	NLT20000FU/G	21680FU/G	UV
<b>Organoleptic</b>			
Appearance	Powder	Conforms	NLS-QCS-1008
Color	Yellow white-off white	Conforms	GB/T 5492-2008
Odor	Characteristic	Conforms	GB/T 5492-2008
Taste	Characteristic	Conforms	GB/T 5492-2008
<b>Physical Characteristics</b>			
Particle Size	100% pass 80 mesh	80MESH	GB/T 5507-2008
Loss on drying	8%NMT (%)	5.38%	GB/T 14769-1993
Total ash	5%NMT (%)	3.03%	AOAC 942.05, 18th
Bulk Density	45-60g/100mL	49g/100mL	CP2010IA
Residue of Solvents	None	Conform	NLS-QCS-1007
Pesticide Residues	1ppm NMT	0.236 ppm	Gas Chromatography
<b>Heavy metals</b>			
Total Heavy Metals	10ppm Max	Conform	USP <231>, method II
Lead (Pb)	1ppm NMT	0.06	AOAC 986.15, 18th
Arsenic (As)	1ppm NMT	0.3	AOAC 986.15, 18th
Cadmium (Cd)	1ppm NMT	0.04	AOAC 986.15, 18th
Mercury (Hg)	0.1ppm NMT	0.09	AOAC 971.21, 18th
<b>Microbiological Tests</b>			
Total Plate Count	1000cfu/g Max	660CFU/G	AOAC 990.12, 18th
Yeast & Mold	100cfu/g Max	12CFU/G	FDA (BAM) Chapter 18, 8th Ed.
E. Coli.	Negative	Conform	AOAC 997.11, 18th
Salmonella	Negative	Conform	FDA (BAM) Chapter 5, 8th Ed.
Staphylococcus	Negative	Conform	FDA (BAM) Chapter 5, 8th Ed.

**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.