



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

Soybean Extract Total Isoflavones 40% HPLC

Batch No.	DD-210303	Manufacturing Date	03/03/2021
Batch Quantity	1500KG	Expiration Date	03/02/2024
Botanical Source	<i>Glycine max (L.) Merr.</i>	Country of Origin	China
Appearance	Shallow yellow Fine Powder	Part Used	Soybean Germs (100% Natural)
Solvents Used	Water&Ethanol	Carrier Used	None
Sterilization Method	Heat NON-IRR	Kosher Halal	Yes Yes

ITEMS	SPECIFICATION	RESULT	METHOD
Content	Total Isoflavones \geq 40%	40.75%	HPLC
Content	Daidzin---	24.62%	HPLC
Content	Glycitin---	10.54%	HPLC
Content	Genistin---	4.96%	HPLC
Content	Daidzein---	0.39%	HPLC
Content	Glycitein---	0.15%	HPLC
Content	Genistein---	0.09%	HPLC
Identification	Correspond to standard	Conform	TLC

PHYSICAL CHARACTERISTICS

Particle Size	NLT 95% Through 80 mesh	98.80%	Analytical sieving USP <786>
Loss on Drying	NMT 5.00%	3.10%	USP <731>
Sulphated Ash	NMT 5.00%	3.20%	USP <561>
Bulk Density	Between 40-60g/100ml	45.00g/100ml	USP <616> Method I
PH	5.0-6.0	Conform	UPS
GMO	None-GMO	Conform	UPS

CHEMICAL CHARACTERISTICS

Residual Solvent	NMT 5000ppm	Conform	GC USP <467>
Pesticide Residue	Meet the requirements	Conform	GC USP <561>
Heavy Metals(as Pb)	NMT 10ppm	Conform	USP <231> Method II
Arsenic (As)	NMT 1ppm	< 1ppm	ICP-MS
Lead (Pb)	NMT 0.5ppm	< 0.05ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	< 1ppm	ICP-MS
Mercury(Hg)	NMT 0.1ppm	< 0.1ppm	ICP-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT1000cfu/g	Conform	USP<61>
Total Yeast & Mold	NMT100cfu/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>

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: 03/10/2021

Approved by: *Jack Jia*

Date: 03/10/2021