



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 Eizabeth, NJ 07206

Certificate of Analysis

Genistein 98% HPLC

Batch No.	MS-210827	Manufacturing Date	08/27/2021
Batch Quantity	100KG	Expiration Date	08/26/2023
Appearance	Pale yellow to Off white Powder	Country of Origin	China
GMO Status	NON-GMO	Allergen Status	Allergen Free

ITEMS	SPECIFICATION	RESULT	METHOD
Content	Genistein \geq 98%	98.12%	HPLC
Identification	Positive	Positive	HPLC

PHYSICAL CHARACTERISTICS

Odor	Odorless	Conform	Organoleptic
Loss on Drying	NMT 1.00%	0.80%	USP <731>
Ash	NMT 0.20%	0.24%	USP <561>
Melting Point	297-298°C	297.7°C	In House

CHEMICAL CHARACTERISTICS

Heavy Metals(as Pb)	NMT 10ppm	Conform	USP <231> Method II
Arsenic (As)	NMT 2ppm	< 1ppm	ICP-MS
Lead (Pb)	NMT 3ppm	< 1ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	< 1ppm	ICP-MS
Mercury(Hg)	NMT 0.1ppm	<0.1ppm	ICP-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT 1000cfu/g	Conform	USP<61>
Total Yeast & Mold	NMT 100cfu/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.
Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Tested by: *Tracy Cui* Date: 09/06/2021

Approved by: *Jack Jia*

Date: 09/06/2021