



Hongda
Phytochemistry

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Rev 3

Certificate of Analysis

Inulin 90%

Batch No.	JF-200524	Manufacturing Date	5/24/2020
Batch Quantity	8000KG	Expiration Date	5/23/2023
Botanical Source	<i>Cichorium intybus L.</i>	Country of Origin	China
Appearance	White Fine Powder	Part Used	Root (100% Natural)
Sterilization Method	Heat NON-IRR	Kosher Halal	Yes No

ITEMS	SPECIFICATION	RESULT	METHOD
Inulin (Dried basis)	≥90.0%	91.32%	FCC
Glucose+Fructose+Sucrose (Dried basis)	≤10.0%	8.60%	FCC
Identification	Correspond to standard	Conform	TLC USP<201>

PHYSICAL CHARACTERISTICS

Odor	Odorless	Conform	Sensory
Taste	Slight sweet taste	Conform	Sensory
Particle Size	NLT 95% Through 40 mesh	98.80%	Analytical sieving USP <786>
Loss on Drying	NMT 5.00%	3.84%	USP <731>
Residue on Ignition	NMT 0.20%	0.04%	USP <561>

CHEMICAL CHARACTERISTICS

Heavy Metals(as Pb)	NMT 10μg/g	Conform	USP <231> Method II
Arsenic (As)	≤1μg/g	≤0.1μg/g	ICP-MS
Lead (Pb)	≤1μg/g	≤0.1μg/g	ICP-MS
Cadmium(Cd)	≤0.5μg/g	≤0.01μg/g	ICP-MS
Mercury(Hg)	≤0.5μg/g	≤0.01μg/g	ICP-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT1000cfu/g	<10cfu/g	USP<61>
Total Yeast & Mold	NMT100cfu/g	<10cfu/g	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 20kg or 25kg/Bag.

Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Tested by: *Tracy Cui*

Date: 05/31/2020

Approved by: *Jack Lo*

Date: 05/31/2020