



Hongda
Phytochemistry

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

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

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Certificate of Analysis

Aronia Extract 10:1 TLC

Batch No.	YYM-200507	Manufacturing Date	05/07/2020
Batch Quantity	1000KG	Expiration Date	05/06/2023
Botanical Source	<i>Aronia melanocarpa</i>	Country of Origin	China
Appearance	Purple Fine Powder	Part Used	Berry (100% Natural)
Solvents Used	Water	Carrier Used	Maltodextrin
Sterilization Method	Heat NON-IRR	Kosher Halal	Yes No

ITEMS	SPECIFICATION	RESULT	METHOD
Ratio	10:1	10:1	TLC USP<201>
Identification	Correspond to standard	Conform	TLC USP<201>

PHYSICAL CHARACTERISTICS

Particle Size	NLT 95% Through 80 mesh	100.00%	Analytical sieving USP <786>
Loss on Drying	NMT 5.00%	3.45%	USP <731>
Residue on Ignition	NMT 5.00%	4.01%	USP <561>
Bulk Density	Between 40-60g/100ml	49.00g/100ml	USP <616> Method I

CHEMICAL CHARACTERISTICS

Pesticide Residue	Meet the requirements	Conform	GC USP <561>
Heavy Metals(as Pb)	NMT 10ppm	Conform	USP <231> Method II
Arsenic (As)	NMT 2ppm	0.781ppm	ICP-MS
Lead (Pb)	NMT 2ppm	0.645ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	0.100ppm	ICP-MS
Mercury(Hg)	NMT 1ppm	0.016ppm	ICP-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT10000cfu/g	1500cfu/g	USP<61>
Total Yeast & Mold	NMT1000cfu/g	60cfu/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 cardboard drum. 25kg net.

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

Tested by: *Tracy Cui*

Date: 05/13/2020

Approved by: *Jack Joa* Date: 05/13/2020