



Certificate of Analysis

Citrus Bergamot Extract 10:1 TLC

Batch No.	JFS-200301	Manufacturing Date	3/1/2020
Batch Quantity	1000KG	Expiration Date	2/28/2023
Botanical Source	<i>Citrus Bergamot</i>	Country of Origin	China
Appearance	Brown Fine Powder	Part Used	Fruit (100% Natural)
Solvents Used	Water	Carrier Used	Dextrin
Sterilization Method	Heat NON-IRR	Kosher Halal	Yes Yes

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	98.78%	Analytical sieving USP <786>
Loss on Drying	NMT 5.00%	4.44%	USP <731>
Sulphated Ash	NMT 15.00%	5.80%	USP <561>
Bulk Density	Between 40-60g/100ml	51g/100ml	USP <616> Method I

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	0.780ppm	ICP-MS
Lead (Pb)	NMT 2ppm	0.610ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	0.030ppm	ICP-MS
Mercury(Hg)	NMT 0.5ppm	0.010ppm	ICP-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT10000cfu/g	1500cfu/g	USP<61>
Total Yeast & Mold	NMT1000cfu/g	80cfu/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: 03/06/2020

Approved by: *Jack Jia* Date: 03/06/2020