



Hongda
Phytochemistry

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Rev 3

Certificate of Analysis

Policosanol 10% Octacosanol GC

Batch No.	GZ-200415	Manufacturing Date	4/15/2020
Batch Quantity	150KG	Expiration Date	4/14/2023
Botanical Source	Rice Bran wax	Country of Origin	China
Appearance	White Fine Powder	Carrier Used	None (100% Natural)

ITEMS	SPECIFICATION	RESULT	METHOD
Octacosanol (Assay)	≥10%	10.87%	GC
1-Tetracosanol(C24)	Report	7.86%	GC
1-Hexacosanol(C26)	Report	34.61%	GC
1-Heptacosanol(C27)	Report	5.22%	GC
1-Nonacosanol(C29)	Report	5.15%	GC
1-Triacontanol(C30)	Report	31.45%	GC
1-Dotriacontanol(C32)	Report	1.93%	GC
1-Tetratriacontanol(C34)	Report	0.21%	GC
Total Higher Aliphatic Alcohols	≥90%	97.30%	GC

PHYSICAL CHARACTERISTICS

Particle Size	NLT 100% Through 60 mesh	100%	Analytical sieving USP <786>
Melting Point	80-83°C	81.2°C	USP
Loss on Drying	NMT 0.5%	0.23%	USP <731>
Residue on Ignition	NMT 0.5%	0.07%	USP <561>
Solubility	Insoluble in water; Soluble in hot hydrocarbon, alcohol and chloroform.	Conform	In house

CHEMICAL CHARACTERISTICS

Acid Value	NMT 1.5	0.78	USP
Pesticide Residue	Meet the requirements	Conform	GC USP <561>
Heavy Metals(as Pb)	NMT 10ppm	Conform	USP <231> Method II
Arsenic (As)	NMT 2ppm	<2ppm	ICP-MS
Lead (Pb)	NMT 3ppm	<3ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	<1ppm	ICP-MS
Mercury(Hg)	NMT 1ppm	<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: 04/22/2020

Approved by: *Jack Joo* Date: 04/22/2020