

Certificate of Analysis

Product Name	Policosanol(Hexacosanol)	Batch No.	QY-PLCH20230815
Botanical Source	<i>Sugar Cane Wax</i>	Manufacturing Date	2023-08-15
Plant Part	Stem	Expiration Date	2025-08-14

Item	Specification	Result	Method
Assay	Hexacosanol ≥90%	92.65%	GC
	Policosanol(Total Alcohols)≥98%	Confirm	
	1-Docosanol(C-22)	0.20%	
	1-Tetracosanol(C24)	0.38%	
	1-Hexacosanol(C26)	92.65%	
	1-Heptacosanol(C27)	2.01%	
	1-Octacosanol(C28)	3.19%	
	1-Nonacosanol(C29)	0.31%	
	1-Triacontanol(C30)	0.27%	
1-Dotriacontanol(C32)	0.07%		
Physical & Chemical Data			
Appearance	White to off-white powder	Conforms	Visual
Odor & Taste	Characteristic	Conforms	
Analytical Quality			
Identification		Identical	
Acid Value: mgKOH/g	≤1.5	0.20	
Particle Size	NLT 95%Through 80 mesh	Conforms	Mesh Screen
Melting Point	80-83°C	82.10°C	
Loss on Drying	≤0.5%	0.40%	CP2020
Ash content	≤0.1%	0.08%	CP2020
Pesticide Residue			
BHC	≤0.2ppm	Conforms	GC-MASS
DDT	≤0.2ppm	Conforms	GC-MASS
PCNB	≤0.1ppm	Conforms	GC-MASS
Total Heavy Metals	≤10ppm	Conforms	Colorimetry
Arsenic(As)	≤2ppm	Conforms	AAS
Lead(Pb)	≤2ppm	Conforms	AAS
Mercury(Hg)	≤0.1ppm	Conforms	AAS
Cadmium(Cd)	≤1ppm	Conforms	AAS
Microbiological Tests			
Total Plate Count	≤10000cfu/g	Conforms	CP2020
Total Yeast & Mold	≤100cfu/g	Conforms	CP2020
E.Coli	Negative	Negative	CP2020
Salmonella	Negative	Negative	CP2020

Staphylococcus	Negative	Negative	CP2020
Conclusion	Conform with specification		

Storage Cool & dry place.Do not freeze.Keep away from strong light and heat.

Shelf Life 24 months under the conditions above and in its original packaging.

Package In double sealed PP bags, 10/25kgs Drum.

Tested by: Mr Chen Date: 2023-08-20