

No.: BPBE-623-A-01/3.0

CERTIFICATE OF ANALYSIS



Product Name	Limonin	Code	BPBE-623-A
Botanical Source	Citrus limon L.	Used Part	Immature fruit
Batch No.	H021262319A	Mfg. Date	Dec. 13, 2019
Packing	25kg/Drum	Retest Date	Dec. 12, 2021
Quantity	30kg	Report Date	Dec. 18, 2019
Specification	98.0%HPLC	Country of Origin	China

ITEM	SPECIFICATION	RESULT	METHOD
Appearance	Off-white to white powder	Complies	Visual
Oder	Characteristic	Complies	Organoleptic
Particle Size	NLT95% pass 80 mesh	100%	80 mesh screen
Identification	Positive	Positive	HPLC
Loss on drying	≤5.0%	0.31%	CP2015
Residue on ignition	≤3.0%	0.08%	CP2015
Heavy Metals	≤10ppm	<10ppm	CP2015
-Pb	≤3ppm	0.28ppm	ICP-MS
-As	≤2ppm	0.12ppm	ICP-MS
-Cd	≤1ppm	<0.01ppm	ICP-MS
-Hg	≤0.5ppm	<0.01ppm	ICP-MS
Residual Pesticides	Meet requirements of USP.	Complies	USP39
Residual Solvents	Meet requirements of USP.	Complies	USP39
Assay	≥98.0%	98.66%	HPLC
Total Plate Count	≤1000cfu/g	120cfu/g	USP<2021>
-Yeast & Mold	≤100cfu/g	30cfu/g	USP<2021>
-E. Coli	Negative	Negative	USP<2022>
-Salmonella	Negative	Negative	USP<2022>
Conclusion	Comply with the specification.		
Storage	Preserve in tight containers, protected from strong light and high heat.		

Analyst: 杨艺

Reviewed by: 林

Approved by: [Signature]