

No.: BPBE-692-B-00/3.0

CERTIFICATE OF ANALYSIS

Product Name	Capsaicin	Code	BPBE-692-B
Botanical Source	Capsicum annuum L	Used Part	Fruit
Batch No.	H021269219B	Mfg. Date	Dec. 17, 2019
Packing	1kg/Bag	Retest Date	Dec. 16, 2021
Quantity	20kg	Report Date	Dec. 22, 2019
Specification	USP39		

ITEM	SPECIFICATION	RESULT
Assay(HPLC, on dried basis):		
Total Capsaicinoids	90%~110%	99.78%
Capsaicin	≥55%	61.98%
Capsaicin and Dihydrocapsaicin	≥75%	94.66%
Total Content of Other Capsaicin	≤15%	5.12%
Appearance	White to yellowish crystal powder	Complies
Identification	Positive	Positive
Melting Range	57°C~66°C	57°C~66°C
Loss on Drying	≤1.0%	0.82%
Residue on Ignition	≤1.0%	0.23%
Heavy Metals	≤10ppm	Complies
-As	≤2ppm	Complies
Total Plate Count	≤1000cfu/g	Complies
-Yeast & Mould	≤100cfu/g	Complies
-E.Coli	Negative	Negative
-Salmonella	Negative	Negative
Conclusion	Comply with the specification.	
Storage	Preserve in tight containers, protected from strong light and high heat.	

Analyst:

Reviewed by:

Approved by: