



BOTANICAL CUBE INC

CERTIFICATE OF ANALYSIS

Product Name	Ginger Extract	Batch Size	4446 kg
Product Spec	Gingerols $\geq 5\%$	Batch Number	BCI20251215SJ5
Botanical Latin Name	<i>Zingiber officinale Roscoe.</i>	Plant Part	Root
MFG. Date	2025.12.15	Retest Date	2027.12.14
Issue Date	2025.12.23		

ITEM	SPECIFICATION	RESULT	TEST METHOD
Physical Description			
Appearance	Yellow Powder	Conforms	Visual
Odor	Unique smell of ginger	Conforms	Organoleptic
Taste	Unique taste of ginger	Conforms	Olfactory
Bulk Density	Bulk Density	0.52g/ml	USP616
	Tight Density	0.73g/ml	USP616
Particle Size	95% Through 80 Mesh	Conforms	CP2015
Chemical Tests			
Gingerols	$\geq 5.0\%$	5.08%	HPLC
6-gingerol	/	2.86%	HPLC
8-gingerol	/	0.45%	HPLC
6-shogaol	/	1.05%	HPLC
10-gingerol	/	0.11%	HPLC
10-shogaol	/	/	HPLC
8-shogaol	/	0.61%	HPLC
Moisture	$\leq 5.0\%$	3.89%	CP2015 (80 °C, 4 h)
Ash	$\leq 5.0\%$	0.08%	CP2015
Total Heavy Metals	< 10 ppm	Conforms	CP2015
Microbiology Control			
Aerobic Bacterial Count	$\leq 1,000$ CFU/g	Conforms	GB4789.2
Yeast	≤ 100 CFU/g	Conforms	GB4789.15
Mold	≤ 100 CFU/g	Conforms	GB4789.15
Escherichia Coli	Not Detected	Conforms	GB4789.38
Salmonella	Not Detected	Conforms	GB4789.4
Staphylococcus Aureus	Not Detected	Conforms	GB4789.10
Conclusion	Conforms to Specification		

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 24 months when properly stored.

Status: Natural; Non-Irradiation.

Inspector: Liu Dan Reviewer: Wang Fei Auditor: Zhang Jinping



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