

CERTIFICATE OF ANALYSIS

Product Name	Bromelain 2500 GDU	Manufacture Date	Nov, 2024
Botanical Latin Name	Ananas comosus	Expire Date	Nov, 2027
Plant Part	Root and Stem	Issue Date	Nov, 2024
Extract Solvent	Ethanol	Batch Number	BM20240780A

Item	Specification	Result
Physical&Chemical Control		
Appearance	Creamish Yellow Color Powder	Conforms
Odor&Taste	Characteristic	Conforms
Bromelain Activity	≥ 2500 GDU/g	2560 GDU/g
Particle Size	100% pass 40 mesh	Conforms
Identification	Positive	Conforms
Loss on Drying	≤6.0%	3.24%
Ash Content		
Bulk Density	0.2g/ml ~ 0.5g/ml	0.55g/ml
Tap Density	0.4g/ml ~ 0.9g/ml	0.63g/ml
Heavy Metals		
Total Heavy Metals	≤ 10 ppm	
Lead	≤ 3.0 ppm	0.41ppm
Arsenic	≤ 1.0 ppm	0.20ppm
Cadmium	≤ 1.0 ppm	0.06ppm
Mercury	≤ 0.1 ppm	0.02ppm
Microbiology Control		
Total Plate Count	NMT10,000cfu/g	Conforms
Total Yeast & Mold	NMT1000cfu/g	Conforms
E.coli	Negative/g	Conforms
Salmonella	Negative/25g	Conforms
General Status	Non-GMO,Allergen Free,Non-Irradiation.	
Packaging&Storage	Packed in paper-drums and two plastic-bags inside,25kg/Drum. Keep in cool & dry place. Stay away from strong light and heat.	
Conclusion	Qualified	