

CERTIFICATE OF ANALYSIS

Product Name	Bromelain 2400 GDU	Manufacture Date	April, 2024
Botanical Latin Name	Ananas comosus	Expire Date	March, 2027
Plant Part	Stem & Root	Issue Date	April, 2024
Extract Solvent	Ethanol	Batch Number	BM20230871A

Item	Specification	Result
Physical&Chemical Control		
Appearance	Creamish Yellow Color Powder	Conforms
Odor&Taste	Characteristic	Conforms
Bromelain Activity	≥ 2400 GDU/g	2457 GDU/g
Particle Size	100% pass 40 mesh	Conforms
Identification	Positive	Conforms
Loss on Drying	≤6.0%	3.69%
Ash Content		
Bulk Density	0.2g/ml ~ 0.5g/ml	0.49g/ml
Tap Density	0.4g/ml ~ 0.9g/ml	0.62g/ml
Heavy Metals		
Total Heavy Metals	≤ 10 ppm	
Lead	≤ 3.0 ppm	0.05ppm
Arsenic	≤ 1.0 ppm	0.05ppm
Cadmium	≤ 1.0 ppm	0.02ppm
Mercury	≤ 0.1 ppm	0.01ppm
Microbiology Control		
Total Plate Count	NMT1,000cfu/g	Conforms
Total Yeast & Mold	NMT100cfu/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	