

CERTIFICATE OF ANALYSIS

Product Name	Bromelain 5000 GDU	Manufacture Date	Mar, 2025
Botanical Latin Name	Ananas comosus	Expire Date	Feb, 2028
Plant Part	Root and Stem	Issue Date	Mar, 2025
Extract Solvent	Ethanol	Batch Number	HCFACDEX25003/04

Item	Specification	Result
Physical&Chemical Control		
Appearance	White coloured powder	Conforms
Odor&Taste	Characteristic	Conforms
Bromelain Activity	≥ 5000 GDU/g	5050 GDU/g
Particle Size	100% pass 60 mesh	Conforms
Identification	Positive	Conforms
Loss on Drying	≤6.0%	3.48%
Ash Content		
Bulk Density	0.3g/ml ~ 0.7g/ml	0.49g/ml
Tap Density	0.5g/ml ~ 1.0g/ml	0.63g/ml
Heavy Metals		
Total Heavy Metals	≤ 20 ppm	
Lead	≤ 3.0 ppm	Conforms
Arsenic	≤ 1.0 ppm	Conforms
Cadmium	≤ 1.0 ppm	Conforms
Mercury	≤ 0.1 ppm	Conforms
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	