



# CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Bromelain 1200 GDU	<b>Manufacture Date</b>	Nov, 2024
<b>Botanical Latin Name</b>	Ananas comosus	<b>Expire Date</b>	Oct, 2026
<b>Plant Part</b>	Fruit	<b>Issue Date</b>	Nov, 2024
<b>Extract Solvent</b>	Ethanol	<b>Batch Number</b>	BRO24IB1053

Item	Specification	Result
<b>Physical&amp;Chemical Control</b>		
Appearance	White to cream white powder	Conforms
Odor&Taste	Characteristic	Conforms
Bromelain Activity	≥ 1200 GDU/g	1250 GDU/g
Particle Size	100% pass 40 mesh	Conforms
Identification	Positive	Conforms
Loss on Drying (w/w)	≤6.0%	5.2%
Bulk Density	0.2g/ml ~ 0.5g/ml	0.45g/ml
Tap Density	0.4g/ml ~ 0.9g/ml	0.57g/ml
<b>Heavy Metals</b>		
Total Heavy Metals	≤ 10 ppm	Conforms
Lead	≤ 3.0 ppm	Conforms
Arsenic	≤ 1.0 ppm	Conforms
Cadmium	≤ 1.0 ppm	Conforms
Mercury	≤ 0.1 ppm	Conforms
<b>Microbiology Control</b>		
Total Plate Count	NMT10,000cfu/g	350 cfu/g
Total Yeast & Mold	NMT1000cfu/g	10 cfu/g
E.coli	Negative/g	Conforms
Salmonella	Negative/25g	Conforms
<b>General Status</b>	Non-GMO,Allergen Free,Non-Irradiation.	
<b>Packaging&amp;Storage</b>	Packed in paper-drums and two plastic-bags inside,25kg/Drum. Keep in cool & dry place. Stay away from strong light and heat.	
<b>Conclusion</b>	Qualified	

