herbuno

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Gausyn Global LLP
B-57, Ground Floor, Sector 64, Noida 201301, UP, India
+91 863-869-2590 · hello@herbuno.com · herbuno.com
Regd. office: A4-206, Sector 117, Noida 201304

Technical Data Sheet

Bromelain 2,400 GDU/g

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1. Product identification

Product name	Bromelain 2,400 GDU/g
Material type	Enzyme powder
Botanical source	*Ananas comosus (pineapple)*
Processing	Processed in India

2. Description

Appearance & colour	Off-white to cream colour powder
Odour	Characteristic natural odour of pineapple

3. Specifications

Parameter	Specification
Physical	
pH	4.0–7.0
Loss on drying	NMT 5%
Residue on ignition	NMT 5%
Solubility	Completely water soluble
Identification	Positive proteolytic activity
Assay	
Bromelain activity	NLT 2,400 GDU/g
Heavy metals	
Cadmium (Cd)	NMT 1.00
Mercury (Hg)	NMT 0.10
Arsenic (As)	NMT 1.00
Lead (Pb)	NMT 3.00
Contaminants	
Chloramphenicol	To be absent
Residual pesticide	Meet EU Directive 396/2005/EC
Residual solvent	Meet EU Directive 396/2005/EC
Mycotoxins	Absent
Aflatoxins	Absent
Benzopyrene	Absent
Microbiology	
Total bacteria count	NMT 10,000 cfu/g
Salmonella	Absent
E. coli	Absent
Yeast & mould	NMT 100 cfu/g
Pseudomonas aeruginosa	Absent
Staphylococcus aureus	Absent

4. Storage, shelf life and pack sizes

Storage	Cool, dry place below 25 °C
Shelf life	24 months from date of manufacture under the storage conditions above
Pack sizes	25 kg

This Technical Data Sheet provides typical specifications for reference. Lot-specific results are reported on the Certificate of Analysis (COA) issued for each lot. Specifications may vary between lots and may be revised without notice. Any material difference between this TDS and the applicable COA should be clarified with Herbuno before purchase or use. Herbuno's obligation is limited to conformity of the supplied lot with its COA. The buyer is responsible for assessing suitability for the intended application and compliance with applicable regulations. NMT = not more than · NLT = not less than · cfu = colony-forming units.

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