

Bromelain

Pineapple-derived proteolytic enzyme preparation for qualified food-processing formulations.

CAS No. 37189-34-7	EC / List No. 253-387-5	Transport Non-dangerous goods
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Product Information

Pineapple-derived proteolytic enzyme preparation for qualified food-processing formulations.

Specifications

Parameter	Specification	Method
Appearance	Off white or light yellow	Visual
Odor	Characteristic	Sensory
Bromelain Activity	≥2400GDU/g	GDU method
Loss on drying	≤10.0g/100g	USP 39<731>
Residue of ignition	≤6.0g/100g	USP 39<281>
Arsenic	≤3.0mg/kg	USP 39<233>ICP-MS
Lead	≤5.0mg/kg	USP 39<233>ICP-MS
Mercury	≤1.5mg/kg	USP 39<233>ICP-MS
Cadmium	≤1.0mg/kg	USP 39<233>ICP-MS
Total Plate Count	≤10000CFU/g	USP 39<61>
Yeast & molds	≤100CFU/g	USP 39<61>
E.coli	Negative	USP 39<62>
Salmonella	Negative	USP 39<62>
S.aureus	Negative	USP 39<62>

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	Enzyme preparation
Molecular weight	Variable protein molecular weight

Applications

Protein hydrolysis: Proteolytic preparation for technically supervised protein hydrolysis.

Food texture modification: Processing enzyme for qualified meat, fish and related food texture development.

Food-processing formulation development: Enzyme ingredient for selected food-processing concepts.

Packaging / Storage

Item	Information
Packing	20 kg bags
Storage	Keep original bags tightly sealed, dry and protected from light and moisture. For long-term storage, keep at or below 5°C to preserve enzyme activity. Prevent condensation when moving chilled material.
Handling	Avoid breathing enzyme dust. Use closed transfer or local dust extraction; wear suitable gloves, goggles and work clothing. Where airborne exposure is not controlled, use a properly selected particulate respirator under a respiratory-protection program. Seek prompt medical care for breathing symptoms.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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