

**KS****Nutripharma****陕西康盛生物技术有限公司****SHAANXI KINGSCI BIOTECHNOLOGY CO., LTD.**

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Certificate of Analysis

Product Name	Bromelain	CAS No	37189-34-7
Country of Origin	China(Raw material come from Thailand)	Botanical Name	<i>Ananas comosus</i>
Batch No	KS20210226	Part used	Pineapple stem
Manufacture Date	2021.02.26	Quantity	400kg
Expiry Date	2023.02.26	Report Date	2021.02.26

Analysis	Specifications	Results	Method
Appearance	Off-white or light yellow powder	Conforms	Visual
Odor	Characteristic	Conforms	Sensory
Bromelain activity	≥1200 GDU/g	1228GDU/g	GDU method
Loss on drying	≤10.0g/100g	5.82g/100g	USP39 <731>
Residue of Ignition	≤6.0g/100g	2.9g/100g	USP39 <281>
As	≤3.0mg/kg	Conforms	USP39<233>ICP-MS
Pb	≤5.0mg/kg	Conforms	USP39<233>ICP-MS
Hg	≤1.5mg/kg	Conforms	USP39<233>ICP-MS
Cd	≤1.0mg/kg	Conforms	USP39<233>ICP-MS
Total Plate Count	≤10000CFU/g	15CFU/g	USP39<61>
Yeasts&Moulds Count	≤100CFU/g	10CFU/g	USP39<61>
E.Coli	Negative	Negative	USP39<62>
Salmonella	Negative	Negative	USP39<62>
S.aureus	Negative	Negative	USP39<62>

Non-irradiation No allergens

Conclusion: Meet the standard requirements

Storage conditions: Sealed and store in cool and dry place. For long time storage, please seal and store at/below 5°C to keep the enzyme activity.

QC: LijiaQA: Liyaqiang