



Career Henan Chemical Co

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Certificate of Analysis

Product Name	BROMELAIN		
Plant Part	PINEAPPLE STEM	Origin:	China
CAS No.	9001-00-7	Batch Number	KR19010513
Manufacturer Date	2019-01-05	Date of Test	2019-01-09

ITEMS OF ANALYSIS	SPECIFICATIONS	RESULTS
Appearance	Light-yellow Powder	Conform
Odor	Characteristic smell of Pineapple	Conform
Mesh	98% pass 100mesh	Conform
pH	5.0-8.0 pH(1%, aqua)	Conform
Activity of enzyme	2400GDU/g min	2410GDU/g
Loss on drying	$\leq 5.0\%$	2.30%
Loss on ignition	$\leq 5.0\%$	3.10%
Total Heavy Metals	$\leq 30\text{mg/kg}$	$< 30\text{mg/kg}$
Pb	$\leq 2.0\text{mg/kg}$	$< 2.0\text{mg/kg}$
As	$\leq 2.0\text{mg/kg}$	$< 2.0\text{mg/kg}$
Microbiology		
Total Plate Count	$< 10,000\text{cfu/g}$	3000 cfu/g
Total Coliforms	$< 30\text{cfu/g}$	$< 30\text{cfu/g}$



Salmonella	None detected in 25g	Absent
Yeast and mould	NMT 100 cfu/g	conform
Storage	Stored humidity protected (RH less than 60) at temperature below 25°C	
Shelf life	1 year when properly stored	

Analyst: 连俊昊

Supervisor: 李文