



Bulk Naturals Wholesale LLC

bulknaturalswholesale.com

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PINEAPPLE FRUIT EXTRACT POWDER

CERTIFICATE OF ANALYSIS

LOT: BN2303076/BE

Manufacture Date: March 7, 2023

Expiration Date: March 6, 2025

QA Signature: Steven Konert

Specification	Parameter	Result	Method
Physical Characteristics			
Appearance	Light yellow colored free flowing powder, free from extraneous matter & lumps	Complies	In house Method
Odor & taste	Typical taste & odor of ripe pineapple Free from off-flavour & odors	Complies	In house Method
Solubility	Soluble in water	Complies	FSSA
Chemical Characteristics			
Moisture (By oven method at 105°C for 4hrs)	NMT 5.0%	2.31%	DGHS Manual 5
Acidity (as a Citric acid)	NMT 2.0%	1.04%	FSSA
pH (of 1% w/v suspension)	4.0~6.0	5.1	IS 13334, Part I
Total Ash	NMT 5.0%	2.41%	IS 13334, Part I
Particle Size	00% passes through the 40#	Complies	FSSA
Heavy Metals			
Heavy Metals	NMT 10 ppm	Complies	USP XXIII
Lead (Pb)	NMT 0.5 ppm	Complies	USP XXIII
Mercury (Hg)	NMT 1 ppm	Complies	USP XXIII
Arsenic (As)	NMT 0.1 ppm	Complies	USP XXIII
Cadmium (Cd)	NMT 0.5 ppm	Complies	USP XXIII
Microbiological Characteristics			
Total Plate Count	NMT 10,000 cfu/g	< 1000 cfu/g	IS 5402:2012
Total Yeast & Mold	NMT 1,000 cfu/g	< 100 cfu/g	IS 5403:1999(RA2005)
E.Coli	Not Detected in(g) 10	Complies	IS 5887(Part 1) 1976(RA2005)
Salmonella	Not Detected in(g) 25	Complies	IS 5401, Part 1
Staphylococcus Aureus	Not Detected in(g) 10	Complies	IS 5887(Part 3) 1999

Shelf life is guaranteed for two years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Containers that have been opened should be tested at least yearly to ensure potency. Although Bulk Naturals Wholesale LLC. believes the above information to be accurate based on the information available to Bulk Naturals, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to using to verify that the product purchased from Bulk Naturals meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material are subject to Bulk Naturals Wholesale LLC. standard terms and conditions, which supersede any conflicting terms contained on the Buyer's purchase order or any document or instrument supplied by the Buyer.