



# Bulk Naturals Wholesale LLC

**bulknaturalswholesale.com**

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## PINE POLLEN POWDER - CRACKED CELL WALL

### CERTIFICATE OF ANALYSIS

LOT: BN231228/BE

**Manufacture Date:** December 28, 2021

**QA Signature:** Steven Konert

**Expiration Date:** December 28, 2023

Specification	Parameter	Result	Test Method
<b>Physical and Chemical Property</b>			
Appearance	Light-yellow fine powder.	Conforms	Visual
Odor	Characteristic.	Conforms	Gustatory
Impurity	No visible impurity.	Conforms	Visual
Particle Size	≥ 95% through 800 mesh.	Conforms	Light scattering method
Residue on Ignition	≤ 8g/100g.	3.50g/100g	3g/550°C/4hrs
Loss on Dying	≤5g/100g.	3.01g/100g	3g/105°C/2hrs
Identification	Conforms with TLC	Conforms	TLC
Ingredients	100% Pine Polen Powder.	Conforms	
<b>Residue Analysis</b>			
Heavy Metals	≤ 10mg/kg.	Conforms	ICP-MS
Led (Pb)	≤ 3.00 mg/kg.	Conforms	ICP-MS
Arsenic (As)	≤ 2.00 mg/kg.	Conforms	ICP-MS
Cadmium (Cd)	≤ 1.00 mg/kg.	Conforms	ICP-MS
Mercury (Hg)	≤ 0.50 mg/kg.	Conforms	ICP-MS
<b>Microbiological Tests</b>			
Total Plate Coun	≤ 1000 cfu/g.	500 cfu/g	AOAC 990.12
Total Yeast & Mold	≤ 100 cfu/g.	10 cfu/g	AOAC 991-14
Escherichia Coli	Negative 10g.	Conforms	AOAC 991-14
Salmonella	Negative 10g.	Conforms	AOAC 998.09
S.aureus	Negative 10g.	Conforms	AOAC 2003.07

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 Buyer.