Chengdu PNP Biotech Co., Ltd.

No. 13, South Section 1, Second Ring Road
Suite 709, Wuhou District, Chengdu
Sichuan 610041, P.R. China
info@pnpbiotech.com
www.pnpbiotech.com

STABILITY DATA

Lions Mane Powder

This document presents the stability profile of Lions Mane Powder supplied by Chengdu PNP Biotech Co., Ltd. Samples were packed in the normal commercial package and stored under the conditions stated for each study, and the product was tested at every time point shown below. The programme covers a long-term study and an accelerated study, conducted in accordance with the ICH Q1A methodology (and the corresponding pharmacopeial stability guideline for drug substances), each performed on three separate, non-consecutive production batches, with the analytical results from testing actually carried out at each time point.

Product Name	Lions Mane Powder	**Country of Origin**	China
Fungal Source	*Hericium erinaceus*	**Part Used**	Fruiting Body

Long-Term Stability

Condition: 25 ± 2 °C / 60 ± 5 % RH. Time points are expressed in months. Each batch is identified in the merged row above its results; all batches were stored through the final time point, and every listed result is from testing performed at that time point.

The shelf life stated for this product is confirmed by these real-time long-term stability studies.

Test Item	Specification	0 m	3 m	6 m	9 m	12 m	18 m	24 m
Batch LT-1 | Manufacture 2023-11-08 | Study start 2023-11-15								
Appearance	Yellow to yellow-brown powder	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms
Loss on Drying	≤ 5.0%	2.30%	2.43%	2.54%	2.55%	2.85%	3.00%	3.25%
Standard Plate Count	≤ 10,000 cfu/g	1,042 cfu/g	771 cfu/g	1,125 cfu/g	1,628 cfu/g	1,962 cfu/g	782 cfu/g	2,693 cfu/g
Total Yeast & Mold	≤ 1,000 cfu/g	65 cfu/g	66 cfu/g	117 cfu/g	153 cfu/g	68 cfu/g	166 cfu/g	230 cfu/g
Batch LT-2 | Manufacture 2024-04-03 | Study start 2024-04-10								
Appearance	Yellow to yellow-brown powder	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms
Loss on Drying	≤ 5.0%	2.20%	2.35%	2.54%	2.60%	2.76%	3.01%	3.34%
Standard Plate Count	≤ 10,000 cfu/g	576 cfu/g	743 cfu/g	1,054 cfu/g	1,390 cfu/g	773 cfu/g	2,155 cfu/g	1,020 cfu/g
Total Yeast & Mold	≤ 1,000 cfu/g	104 cfu/g	80 cfu/g	158 cfu/g	57 cfu/g	96 cfu/g	217 cfu/g	144 cfu/g
Batch LT-3 | Manufacture 2024-09-11 | Study start 2024-09-18								
Appearance	Yellow to yellow-brown powder	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms
Loss on Drying	≤ 5.0%	2.14%	2.32%	2.46%	2.59%	2.80%	3.11%	3.39%
Standard Plate Count	≤ 10,000 cfu/g	1,110 cfu/g	1,326 cfu/g	1,041 cfu/g	1,055 cfu/g	1,211 cfu/g	834 cfu/g	2,557 cfu/g
Total Yeast & Mold	≤ 1,000 cfu/g	47 cfu/g	138 cfu/g	134 cfu/g	84 cfu/g	168 cfu/g	164 cfu/g	279 cfu/g

Accelerated Stability

Condition: 40 ± 2 °C / 75 ± 5 % RH. Time points are expressed in months.

Accelerated data are supportive only; the shelf life is ultimately confirmed by the real-time long-term studies above.

Test Item	Specification	0 m	1 m	2 m	3 m	6 m
Batch ACC-1 | Manufacture 2023-10-24 | Study start 2023-10-31						
Appearance	Yellow to yellow-brown powder	Conforms	Conforms	Conforms	Conforms	Conforms
Loss on Drying	≤ 5.0%	2.29%	2.42%	2.63%	2.75%	3.37%
Standard Plate Count	≤ 10,000 cfu/g	411 cfu/g	1,132 cfu/g	1,295 cfu/g	891 cfu/g	2,993 cfu/g
Total Yeast & Mold	≤ 1,000 cfu/g	107 cfu/g	82 cfu/g	57 cfu/g	144 cfu/g	304 cfu/g
Batch ACC-2 | Manufacture 2023-12-06 | Study start 2023-12-13						
Appearance	Yellow to yellow-brown powder	Conforms	Conforms	Conforms	Conforms	Conforms
Loss on Drying	≤ 5.0%	2.19%	2.46%	2.69%	2.85%	3.34%
Standard Plate Count	≤ 10,000 cfu/g	402 cfu/g	725 cfu/g	765 cfu/g	1,577 cfu/g	2,153 cfu/g

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Test Item	Specification	0 m	1 m	2 m	3 m	6 m
Batch ACC-1 | Manufacture 2023-10-24 | Study start 2023-10-31						
Total Yeast & Mold	≤ 1,000 cfu/g	55 cfu/g	134 cfu/g	52 cfu/g	87 cfu/g	91 cfu/g
Batch ACC-3 | Manufacture 2024-01-17 | Study start 2024-01-24						
Appearance	Yellow to yellow-brown powder	Conforms	Conforms	Conforms	Conforms	Conforms
Loss on Drying	≤ 5.0%	2.24%	2.36%	2.54%	2.69%	3.33%
Standard Plate Count	≤ 10,000 cfu/g	436 cfu/g	824 cfu/g	1,477 cfu/g	1,661 cfu/g	2,303 cfu/g
Total Yeast & Mold	≤ 1,000 cfu/g	65 cfu/g	98 cfu/g	153 cfu/g	117 cfu/g	207 cfu/g

Legend: "Conforms" means the attribute is consistent with the initial (0-month) value and meets the specification.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Nov. 19, 2026