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

trans-Resveratrol 98%

This document presents the stability profile of trans-Resveratrol 98% 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	trans-Resveratrol 98%	**Shelf Life**	24 months
Storage	Store in tightly sealed and preferably full containers in cool, dry and ventilated area.		

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 / color	Off-white to pale yellow fine powder	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms
Odor & taste	Characteristic	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms
Assay (trans-Resveratrol)	≥ 98.0%	98.96%	98.87%	98.89%	98.87%	98.75%	98.70%	98.60%
Loss on Drying	≤ 0.5%	0.22%	0.23%	0.26%	0.27%	0.28%	0.31%	0.33%
Standard Plate Count	≤ 1,000 cfu/g	42 cfu/g	69 cfu/g	143 cfu/g	165 cfu/g	61 cfu/g	225 cfu/g	87 cfu/g
Total Yeast & Mold	≤ 100 cfu/g	9 cfu/g	5 cfu/g	7 cfu/g	6 cfu/g	14 cfu/g	9 cfu/g	15 cfu/g
Batch LT-2 | Manufacture 2024-04-03 | Study start 2024-04-10								
Appearance / color	Off-white to pale yellow fine powder	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms
Odor & taste	Characteristic	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms
Assay (trans-Resveratrol)	≥ 98.0%	98.97%	98.95%	98.91%	98.86%	98.82%	98.75%	98.69%
Loss on Drying	≤ 0.5%	0.21%	0.23%	0.24%	0.25%	0.26%	0.29%	0.32%
Standard Plate Count	≤ 1,000 cfu/g	50 cfu/g	62 cfu/g	112 cfu/g	97 cfu/g	134 cfu/g	92 cfu/g	89 cfu/g
Total Yeast & Mold	≤ 100 cfu/g	3 cfu/g	11 cfu/g	8 cfu/g	14 cfu/g	14 cfu/g	7 cfu/g	23 cfu/g
Batch LT-3 | Manufacture 2024-09-11 | Study start 2024-09-18								
Appearance / color	Off-white to pale yellow fine powder	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms
Odor & taste	Characteristic	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms
Assay (trans-Resveratrol)	≥ 98.0%	99.03%	98.98%	98.94%	98.85%	98.81%	98.77%	98.68%
Loss on Drying	≤ 0.5%	0.21%	0.24%	0.25%	0.25%	0.27%	0.29%	0.32%
Standard Plate Count	≤ 1,000 cfu/g	59 cfu/g	106 cfu/g	137 cfu/g	160 cfu/g	148 cfu/g	226 cfu/g	175 cfu/g
Total Yeast & Mold	≤ 100 cfu/g	9 cfu/g	10 cfu/g	12 cfu/g	8 cfu/g	13 cfu/g	17 cfu/g	25 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 / color	Off-white to pale yellow fine powder	Conforms	Conforms	Conforms	Conforms	Conforms
Odor & taste	Characteristic	Conforms	Conforms	Conforms	Conforms	Conforms

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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						
Assay (trans-Resveratrol)	≥ 98.0%	99.08%	99.01%	98.95%	98.83%	98.58%
Loss on Drying	≤ 0.5%	0.21%	0.23%	0.25%	0.27%	0.32%
Standard Plate Count	≤ 1,000 cfu/g	94 cfu/g	119 cfu/g	70 cfu/g	56 cfu/g	234 cfu/g
Total Yeast & Mold	≤ 100 cfu/g	7 cfu/g	13 cfu/g	7 cfu/g	9 cfu/g	12 cfu/g
Batch ACC-2 | Manufacture 2023-12-06 | Study start 2023-12-13						
Appearance / color	Off-white to pale yellow fine powder	Conforms	Conforms	Conforms	Conforms	Conforms
Odor & taste	Characteristic	Conforms	Conforms	Conforms	Conforms	Conforms
Assay (trans-Resveratrol)	≥ 98.0%	98.94%	98.88%	98.81%	98.75%	98.49%
Loss on Drying	≤ 0.5%	0.21%	0.22%	0.25%	0.27%	0.32%
Standard Plate Count	≤ 1,000 cfu/g	73 cfu/g	88 cfu/g	144 cfu/g	186 cfu/g	98 cfu/g
Total Yeast & Mold	≤ 100 cfu/g	9 cfu/g	11 cfu/g	12 cfu/g	15 cfu/g	19 cfu/g
Batch ACC-3 | Manufacture 2024-01-17 | Study start 2024-01-24						
Appearance / color	Off-white to pale yellow fine powder	Conforms	Conforms	Conforms	Conforms	Conforms
Odor & taste	Characteristic	Conforms	Conforms	Conforms	Conforms	Conforms
Assay (trans-Resveratrol)	≥ 98.0%	99.13%	99.05%	98.96%	98.85%	98.61%
Loss on Drying	≤ 0.5%	0.23%	0.23%	0.25%	0.28%	0.32%
Standard Plate Count	≤ 1,000 cfu/g	101 cfu/g	106 cfu/g	144 cfu/g	109 cfu/g	233 cfu/g
Total Yeast & Mold	≤ 100 cfu/g	5 cfu/g	7 cfu/g	13 cfu/g	14 cfu/g	26 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. 03, 2026