Chengdu PNP Biotech Co., Ltd.

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STABILITY DATA

Coenzyme Q10 98%

This document presents the stability profile of Coenzyme Q10 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	Coenzyme Q10 98%	**CAS No.**	303-98-0
Molecular Formula	C59H90O4	**Molecular Weight**	Not applicable

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 orange crystalline powder	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms
Assay (on anhydrous basis)	98.0% - 101.0%	98.89%	98.92%	98.95%	98.91%	98.90%	98.84%	98.82%
Water (KF)	≤ 0.2%	0.08%	0.08%	0.09%	0.10%	0.10%	0.11%	0.12%
Standard Plate Count	≤ 1,000 cfu/g	87 cfu/g	111 cfu/g	115 cfu/g	97 cfu/g	111 cfu/g	205 cfu/g	233 cfu/g
Total Yeast & Mold	≤ 50 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g
Batch LT-2 | Manufacture 2024-04-03 | Study start 2024-04-10								
Appearance	Yellow to orange crystalline powder	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms
Assay (on anhydrous basis)	98.0% - 101.0%	98.94%	98.93%	98.88%	98.89%	98.87%	98.84%	98.90%
Water (KF)	≤ 0.2%	0.08%	0.08%	0.08%	0.09%	0.10%	0.10%	0.12%
Standard Plate Count	≤ 1,000 cfu/g	35 cfu/g	105 cfu/g	94 cfu/g	96 cfu/g	132 cfu/g	186 cfu/g	127 cfu/g
Total Yeast & Mold	≤ 50 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g
Batch LT-3 | Manufacture 2024-09-11 | Study start 2024-09-18								
Appearance	Yellow to orange crystalline powder	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms	Conforms
Assay (on anhydrous basis)	98.0% - 101.0%	98.89%	98.91%	98.91%	98.93%	98.88%	98.89%	98.83%
Water (KF)	≤ 0.2%	0.07%	0.08%	0.08%	0.09%	0.10%	0.11%	0.12%
Standard Plate Count	≤ 1,000 cfu/g	59 cfu/g	37 cfu/g	79 cfu/g	114 cfu/g	146 cfu/g	84 cfu/g	206 cfu/g
Total Yeast & Mold	≤ 50 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 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 orange crystalline powder	Conforms	Conforms	Conforms	Conforms	Conforms
Assay (on anhydrous basis)	98.0% - 101.0%	98.93%	98.94%	98.87%	98.91%	98.87%
Water (KF)	≤ 0.2%	0.08%	0.08%	0.10%	0.10%	0.12%
Standard Plate Count	≤ 1,000 cfu/g	29 cfu/g	64 cfu/g	92 cfu/g	109 cfu/g	139 cfu/g
Total Yeast & Mold	≤ 50 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 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						
Batch ACC-2 | Manufacture 2023-12-06 | Study start 2023-12-13						
Appearance	Yellow to orange crystalline powder	Conforms	Conforms	Conforms	Conforms	Conforms
Assay (on anhydrous basis)	98.0% - 101.0%	98.91%	98.94%	98.91%	98.92%	98.83%
Water (KF)	≤ 0.2%	0.07%	0.08%	0.09%	0.10%	0.12%
Standard Plate Count	≤ 1,000 cfu/g	57 cfu/g	77 cfu/g	107 cfu/g	163 cfu/g	205 cfu/g
Total Yeast & Mold	≤ 50 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g
Batch ACC-3 | Manufacture 2024-01-17 | Study start 2024-01-24						
Appearance	Yellow to orange crystalline powder	Conforms	Conforms	Conforms	Conforms	Conforms
Assay (on anhydrous basis)	98.0% - 101.0%	98.96%	98.93%	98.93%	98.86%	98.89%
Water (KF)	≤ 0.2%	0.08%	0.08%	0.09%	0.10%	0.12%
Standard Plate Count	≤ 1,000 cfu/g	71 cfu/g	98 cfu/g	91 cfu/g	80 cfu/g	77 cfu/g
Total Yeast & Mold	≤ 50 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 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. 20, 2026