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

SPECIFICATION SHEET

Vitamin K2 (MK-7)

Product Name	Vitamin K2 (MK-7)	**CAS No.**	2124-57-4
Molecular Formula	C46H64O2	**Molecular Weight**	649.0

Test Item	Specification	Test Method
Appearance	White to light yellow powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification (HPLC)	Corresponds to RS	HPLC
Identification (TLC)	Corresponds to RS	TLC
Menaquinone-7 (as is)	≥ 2000 ppm	HPLC
Cis-menaquinone-7	≤ 2.0%	HPLC
Menaquinone-6	≤ 200 ppm	HPLC
Loss on Drying	≤ 5.0%	USP<731>
Ash	≤ 3.0%	USP<281>
Lead (Pb)	≤ 0.1 ppm	ICP-MS
Arsenic (As)	≤ 0.1 ppm	ICP-MS
Cadmium (Cd)	≤ 0.1 ppm	ICP-MS
Mercury (Hg)	≤ 0.05 ppm	ICP-MS
Standard Plate Count	≤ 1,000 cfu/g	USP<2021>
Total Yeast & Mold	≤ 100 cfu/g	USP<2021>
E. coli (in 10g)	Negative	USP<2022>
Salmonella (in 25g)	Negative	USP<2022>
S. aureus (in 10g)	Negative	USP<2022>

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 24 months under above conditions, and kept in its unopened original packaging.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Nov. 16, 2026