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CERTIFICATE OF ANALYSIS

Product Name	Vitamin K2(MK-4) Powder	**Batch Size**	150 kg
CAS NO.	863-61-6	**Batch Number**	PNVA20260822
Mol.Formula	$C_{31}H_{40}O_2$	**Retest Date**	Aug. 21, 2028
Country of Origin	China	**Manufacturing Date**	Aug. 22, 2026

ITEM	SPECIFICATION	RESULT	TEST METHOD
Appearance	Yellow brown powder	Yellow brown powder	Visual
Odor& Taste	Characteristic	Characteristic	Organoleptic
Identification	Corresponding with RS	Conforms	HPLC
Particle Size	NLT 90% through 80 mesh	96.2%	USP<786>
MK-4	≥1.3% (13,000ug/g)	1.36% (13,600ug/g)	HPLC
PH	5.5-8.0	6.2	USP<791>
Loss on Drying	≤10.0%	5.5%	USP<731>
Ash	≤0.1%	<0.1%	USP<281>
Lead (Pb)	≤2.0ppm	0.1358ppm	ICP-MS
Arsenic (As)	≤2.0ppm	0.1047ppm	ICP-MS
Cadmium (Cd)	≤0.5ppm	0.0482ppm	ICP-MS
Mercury (Hg)	≤0.1ppm	<0.01ppm	ICP-MS
Standard Plate Count	≤10,000cfu/g	100cfu/g	USP
Total Yeast & Mold	≤1,000cfu/g	50cfu/g	USP
E. coli (in 10mL)	Negative	Not Detected	USP
Salmonella (in 10mL)	Negative	Not Detected	USP
S. aureus (in 10mL)	Negative	Not Detected	USP
Conclusion	Conforms to specification		

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: Mia Yu **Approved:** Charlie Wang **Date**: Aug. 27, 2026