

GUANGDONG BIONEIM BIOTECHNOLOGY CO., LTD.

FLOOR 3, BUILDING A4, NO. 10 CHUANGXING 2ND RD, HIGH-TECH ZONE, QINGYUAN
CITY, GUANGDONG PROVINCE, 511500 CHINA

SPECIFICATION SHEET

PRODUCT NAME : Vitamin K2 Powder (1000 ppm)

Tests	Specifications		Method
Appearance	Clear light yellow powder, odorless.		Visual
Identification	HPLC	The retention time of the major peak of the Sample solution corresponds to that of the Standard solution.	USP Monograph
	TLC	Under visible light and short-wavelength UV light , the spots from the Sample solution correspond in color (light yellow), shape, and RF value to those Standard solution, after applying the Spray reagent, the spots from the Sample solution, under white light, correspond in color (dark blue), shape, and RF value to those from the Standard solution	USP Monograph
Heavy metal	Pb	$\leq 3.0 \mu\text{g/g}$	USP<233>
	As	$\leq 2.0 \mu\text{g/g}$	
	Hg	$\leq 0.1 \mu\text{g/g}$	
	Cd	$\leq 1.0 \mu\text{g/g}$	
Isomeric Impurities	cis-menaquinone-7	$\leq 2.0\%$	USP Monograph
Microbial limits	Total Bacteria Counts	$\leq 1000 \text{ cfu/g}$	USP<2021>
	Total Yeast and Mold Counts	$\leq 100 \text{ cfu/g}$	
	E.coli	Absent	USP<2022>
	Salmonella	Absent	
	Staphylococcus aureus	Absent	
Composition	Menaquinone-7	$\geq 1000 \text{ ppm}$	HPLC
Impurity	Menaquinone-6	$\leq 100 \text{ ppm}$	
Loss on Drying	$\leq 5.0\%$		USP<731>

广东倍能生物科技有限公司

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