

广东倍能生物科技有限公司

GUANGDONG BIONEIM BIOTECHNOLOGY CO., LTD.

SPECIFICATION SHEET

PRODUCT NAME : Vitamin K2 powder (2000ppm)

Excipient: MCC

Tests	Specifications		Method
Appearance	Light yellow powder, odorless		Visual
Identification	HPLC	The principal peak in the chromatography obtained with the test solution is similar in retention time to that of reference 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	$\leq 3 \mu\text{g/g}$	USP<233>
	As	$\leq 2 \mu\text{g/g}$	
	Hg	$\leq 0.1 \mu\text{g/g}$	
	Cd	$\leq 1 \mu\text{g/g}$	
Isomeric Impurities	cis-menaquinone-7	$\leq 2.0\%$	USP Monograph
Microbial limits	Total Bacteria Counts	$\leq 1000 \text{ cfu/g}$	USP<61>
	Total Yeast and Mold Counts	$\leq 100 \text{ cfu/g}$	
	E.coli	Absent	USP<62>
	Salmonella	Absent	
	Staphylococcus aureus	Absent	
Composition	Menaquinone-7	$\geq 2000 \text{ ppm}$	HPLC
Impurity	Menaquinone-6	$\leq 200 \text{ ppm}$	
Loss of drying	$\leq 5\%$		USP Monograph

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