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SPECIFICATION SHEET
Vitamin K2 (35) (MK-7) 1% on DCP

Item Code: 21K2MK7B

Country of Origin: China

Molecular Formula: $C_{46}H_{64}O_2$

Molecular Weight: 649.1

CAS No.: 2124-57-4

Updated: August 2012

Carrier: Dicalcium Phosphate, anhydrous

Synonyms: MK-7; Menaquinone-7; Vitamin MK 7; 2-methyl-3-all-trans-trans-farnesyl digeranyl-1, 4-naphthoquinone

TEST ITEMS	SPECIFICATIONS	TEST METHODS
Appearance	Light yellow powder	Visual
Identification	Certified by IR & color reaction	Visual, HPLC & IR
Solubility	Soluble in n-hexane and ethanol; slightly soluble in methanol; insoluble in water	Visual
Particle size	90% through 80 mesh	Screen
Loss on drying	≤ 5.0%	USP30
Heavy metals	≤ 10 ppm	AA
Arsenic (As)	≤ 1 ppm	AA
Menadione	Not detectable by color reaction	HPLC
Assay (on dry basis)	≥ 1.00% (as $C_{46}H_{64}O_2$)	HPLC
Microbiology:		
Total aerobic plate count	≤1,000 cfu/g	CP2005
Yeast & Mold	≤100 cfu/g	CP2005
Salmonella	Negative	CP2005
E. coli	Negative	CP2005
Staphylococcus aureus	Negative	CP2005

Packing:

In drums of 10 kgs or 30 kgs; bags of 1 kg

Gayathri Vasudevan

Manager, Quality Assurance & Regulatory