

SHANGHAI BRIGHTOL INTERNATIONAL CO., LTD.



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CERTIFICATE OF ANALYSIS

Product Name: Menatetrenone 7(2-Methyl-3-all-trans-famesyl
digeranyl-1,4-naphthoquinone; MK-7)

Cas No.: 27670-94-6

Grade: Food Grade

Mol. Formula: C₄₆H₆₄O₂

Mol. Weight: 649.0

Batch No.: BR14120801

Manu Date: Dec. 08, 2014

Expiry Date: Dec. 07, 2017

Quantity: 1KG

Items	Specification	Results
Appearance	Pale yellow or white crystalline powder	Conforms
Purity (HPLC, Menaquinone-7):	≥1.0% (>10000ug/g)	1.06%
Pharm. Excipient (CaHPO ₄):	≥95.0%	95.40%
Identification	Yellow brown precipitate	Yellow brown precipitate
Particle Size:	60~100 mesh	Conforms
pH	7.0~8.0	7.8
Loss on drying	≤10.0%	8.1%
Residue on ignition	≤0.1%	<0.1%
Reducing sugar	≤0.2%	<0.2%
Starch	Negative	Negative
Fatty acid	Negative	Negative
Heavy metals	≤10ppm	<10ppm
Arsenic	≤2ppm	Complies
Pesticides residue	Negative	Negative
Total aerobic count	≤1000CFU/g	Complies
Yeasts & Molds	≤100CFU/g	Complies
Salmonella SP.	Negative	Negative
E.coli:	Negative	Negative
Conclusion: The product conforms to Enterprise Standard.		

STORAGE: STORE IN COOL & DRY PLACE, DO NOT FREEZE. KEEP AWAY FROM STRONG LIGHT AND HEAT.

INSPECTOR: LIU CHENG TAO

VERIFIER: ZHANG JIE