

DFI-944570V03

SPECIFICATION

Vitamin B5 Calcium Pantothenate

USP

DESCRIPTION	
Appearance	White powder
Country of origin	China
Shelf life	36 Months
SPECIFICATIONS	
Identification A (Infrared Absorption 197K)	Concordant with the reference spectrum
Identification B (A solution (1 in 20) responds to the tests for Calcium)	Conform to USP40
Specific Optical Rotation	+25.0° - +27.5°
Alkalinity	No pink colour is produced within 5 seconds
Loss on drying	NMT 5.0%
Heavy metals	NMT 0.002%
Ordinary Impurities	NMT 1.0%
Nitrogen	5.7 - 6 %
Calcium (Ca)	8.2 - 8.6 %
Assay	98 - 101 %
Lead	Max 3 ppm
Cadmium	Max 1 ppm
Mercury	Max 0.1 ppm
Content (Methanol residue GC)	Meets the requirement
MICROBIOLOGICAL	
Total plate count	Max 1000 cfu/g
Coliforms	Max 10 cfu/g
Escherichia Coli	Negative
Salmonella	Negative
Total yeasts and moulds	Max 100 cfu/g
Staphylococcus aureus	Negative

Exclusion of Liability

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