

## D-Calcium Pantothenate USP Powder

### Product Characteristics

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Appearance	White powder
Country of origin	China

Profile	Method	Specification
Infrared absorption	USP	Meets USP
Identification of calcium ion	USP	Meets USP
Specific rotation	USP	Between +25.0° and +27.5°
Alkalinity	USP	Normal reaction
Loss on drying	USP	≤ 5.0%
Heavy metals	AA or ICP-MS	≤ 0.002%
Arsenic	AA or ICP-MS	≤ 1 ppm
Cadmium	AA or ICP-MS	≤ 1 ppm
Lead	AA or ICP-MS	≤ 0.5ppm
Mercury	AA or ICP-MS	≤ 0.1 ppm
Residual solvents (Methanol)	USP	≤ 0.3%
Calcium content	USP	8.2-8.6%
Assay of calcium pantothenate	USP	98.0-102.0%
Total aerobic plate count	USP	≤ 1000 CFU/g
Yeast and mold	USP	≤ 100 CFU/g
Staphylococcus Aureus	USP	Negative
Salmonella	USP	Negative
E. Coli	USP	Negative
Coliform	USP	≤ 100 CFU/g

### Storage

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Store in tight containers, protected from light, moisture and heat.

Revision: 12/22/17