

## D-Calcium Pantothenate USP Powder

### Product Characteristics

Appearance	White powder
Country of origin	China

Physical Profile	Method	Specification
Infrared absorption	USP	Up to standard figure
Identification of calcium ion	USP	Normal reaction
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	≤ 1 ppm
Ordinary impurities	USP	≤ 1.0%
Residual solvents (Methanol)	USP	≤ 0.3%
Nitrogen content	USP	5.7-6.0%
Calcium content	USP	8.2-8.6%
Assay of calcium pantothenate	GB/T7299-2006	98.0-101.0%

### Storage

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