



江西兄弟医药有限公司

JIANGXI BROTHER PHARMACEUTICAL Co., Ltd.

Ji shan industrial park, Pengze, Jiujiang City, Jiangxi Province, China www.brother.com.cn

Calcium pantothenate (USP)

| Product Name | CAS No. | REV. No. | EINECS No |
|--|-------------------------------------|--------------------------------|-----------------------------------|
| (R)-N-(3,3-dimethyl-2,4-dihydroxy-1-oxobutyl)-3-alanine calcium salt | 137-08-6 | Original | 205-278-9 |
| Characteristics | A white or almost white powder. | | |
| Molecular Formula | $C_{18}H_{32}CaN_2O_{10}$ | | |
| Molecular Weight | 476.53 | | |
| | Item | USP | |
| Specifications | Identification | Calcium | Positive |
| | | IR | Keep conformity with the standard |
| | Assay,% | Titration | 98.0-101.0 |
| | Alkalinity | | Positive |
| | Specific optical rotation, ° | | 25.0-27.5 |
| | Loss on Drying,% | | ≤5.0 |
| | Calcium,% | | 8.2-8.6 |
| | Heavy metals(as lead),ppm | | ≤20 |
| Additional Specifications | Granularity | 40 mesh sieve | ≥99.0 |
| | | 150 mesh sieve | ≤20.0 |
| | Microbial Limit | Total plate count,cfu/g | ≤1000 |
| | | Yeast&Molds,cfu/g | ≤100 |
| | | E. Coli/10g | Negative |
| Packaging | 25 kg carton | | |
| Applications | Nutritional vitamin | | |