

PRODUCT DATA

L-Calcium Lactate (Monohydrate) (FG)

Description

Monohydrate L-Calcium lactate (FG) is highly calcium salt of natural L (+) lactic acid, which is produced by fermentation. It is white to cream-colored, almost odorless crystalline powder or granules. It is easily soluble in hot water and insoluble in alcohol, ether, and chloroforms.

Information

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| Chemical name | Calcium-L(S)-2-hydroxypropionate |
| Molecular formula | Ca[CH ₃ CH(OH)COO] ₂ |
| Molecular weight | 218.22 (anhydrous) |
| CAS | 28305-25-1 |
| Packing | Net 25kg per PE bag |

Specification (Complies with: FCC, FAO/WHO, JSFA, GB)

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|---------------------------------------|---|
| Identification | It responds to the test for calcium and lactate |
| Stereochemical purity, %, L/(L+D)×100 | ≥98.0 |
| Assay (on the dried basis), w/% | 98.0~101.0 |
| Loss on drying, w/% | 5.0~8.0 |
| Solution (1→20) | Passes test |
| Acidity and alkalinity | Passes test |
| Volatile fatty acid | Passes test |
| Magnesium and alkali salts, w/% | ≤1.0 |
| Chloride (as Cl), w/% | ≤0.05 |
| Sulphates (as SO ₄), w/% | ≤0.075 |
| Iron (Fe), w/% | ≤0.005 |
| Arsenic (As), mg/kg | ≤2.0 |
| Lead (Pb), mg/kg | ≤2.0 |
| Barium (Ba) | Passes test |
| Fluoride (as F), w/% | ≤0.0015 |
| Heavy metals (as Pb), mg/kg | ≤20 |