

ALADDIN SCIENTIFIC CORPORATION
 14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-25 11:34:12
 Date of Next Testing: 2029-07-24 11:34:12
 Product Name: **Calcium lactate pentahydrate**
 CAS Number: 5743-47-5
 Specifications & Purity: PharmPure™, USP
 Lot #: G2523226
 SKU #: **C110506**
 Version: **4**
 Analysis #: **541198**
 Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|------------------------------------|---|---|
| Calcium lactate content(dry basis) | 98-101 (%) | 99.00000 % |
| granularity:75 ~ 425 µm | 90-100 (%) | 90.89000 % |
| pH | 6-8 | 6.60000 |
| Magnesium alkali salt | 0-1 (%) | 0.75000 % |
| granularity: ≤500 µm | 98-100 (%) | 98.57000 % |
| Fluoride (F-) | 0-0.0015 (%) | 0.00110 % |
| Iron(Fe) | 0-0.0025 (%) | 0.00160 % |
| Calcium(Ca) | 13.1-14.5 (%) | 13.40000 % |
| (As)Arsenic | 0-0.0002 (%) | 0.00015 % |
| Loss on drying(120°C,4h) | 22-27 (%) | 26.30000 % |
| Lead(Pb) | 0-0.0002 (%) | 0.00010 % |
| Heavy metals | 0-0.002 (%) | 0.00100 % |
| Sulfate(SO42-) | 0-0.075 (%) | 0.03700 % |
| Chloride (Cl-) | 0-0-0.05 (%) | 0.02500 % |
| Appearance (C110506) | White to Off-White Powder or Solid or Chunks | White to Off-White Powder or Solid or Chunks |
| Barium(Ba) | passes test | Passes test |
| differentiate | Show calcium salt and lactic acid salt reaction | Show calcium salt and lactic acid salt reaction |
| Free acid and free alkali | passes test | Passes test |
| Volatile fatty acids | passes test | Passes test |
| Appearance (solution) | passes test | Passes test |
| volatile organic substances | pass | Pass |



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager