

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-28 17:03:20

Date of Next Testing: 2029-10-27 17:03:20

Product Name: **Calcium lactate pentahydrate**

CAS Number: 5743-47-5

Specifications & Purity: PharmPure™, USP

Lot #: J2528003

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