

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-25 11:34:40
Date of Next Testing: 2029-07-24 11:34:40
Product Name: **Calcium lactate pentahydrate**
CAS Number: 5743-47-5
Specifications & Purity: PharmPure™, USP
Lot #: G2523227
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". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager