

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-10 11:12:27  
 Date of Next Testing: 2026-10-09 11:12:27  
 Product Name: **Calcium lactate pentahydrate**  
 CAS Number: 5743-47-5  
 Specifications & Purity: USP grade  
 Lot #: I2223435  
 SKU #: **C110506**  
**Analysis: 129866**  
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Lead(Pb)	0-0.00003 (%)	0.00 %
Heavy metals	0-0.001 (%)	0.00 %
Loss on drying(120°C,2h)	22-27 (%)	26.00 %
Calcium lactate content(dry basis)	98-101 (%)	99.00 %
granularity:75 ~ 425 µm	90-100 (%)	92.00 %
PH	6-8	6.60
Magnesium alkali salt	0-1 (%)	0.33 %
granularity: ≤500 µm	98-100 (%)	98.50 %
Sulfate(SO42-)	0-0.02 (%)	0.02 %
Fluoride (F-)	0-0.0015 (%)	0.00 %
Iron(Fe)	0-0.0025 (%)	0.00 %
Chloride (Cl-)	0-0.004 (%)	0.00 %
Calcium(Ca)	13.1-14.5 (%)	13.40 %
(As)Arsenic	0-0.0002 (%)	0.00 %
Appearance (solution)	passes test	Passes test
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
volatile organic substances	pass	Pass
Appearance (C110506)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks



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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