

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Calcium lactate pentahydrate,USP grade

ITEM NUMBER: C110506
 BRAND: Aladdin
 CAS NUMBER: 5743-47-5
 MDL NUMBER: MFCD00287281
 FORMULA: C₆H₁₀CaO₆.5H₂O
 MOLECULAR WEIGHT: 308.29

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White to Off-White Powder or Solid or Chunks		
Appearance of solution	transparent		
Arsenic(As)	0 %	0.0002 %	0.0002 %
Barium(Ba)	passes test		
Calcium content	13.1 %	14.5 %	14.5 %
Calcium lactate content(dry basis)	98 %	101 %	101 %
Chloride(Cl)	0 %	0.004 %	0.004 %
differentiate	Show calcium salt and lactic acid salt reaction		
fluoride	0 %	0.0015 %	0.0015 %
Free acid and free alkali	passes test		
granularity: 500 μ m	98 %	100 %	100 %
granularity:75 ~ 425 μ m	90 %	100 %	100 %
Heavy metals	0 %	0.001 %	0.001 %
Iron(Fe)	0 %	0.0025 %	0.0025 %
Lead(Pb)	0 %	3e-005 %	3e-005 %
Loss on drying(120 ° C,2h)	22 %	27 %	27 %
Magnesium alkali salt	0 %	1 %	1 %
pH	6	8	8
Sulfate(SO ₄)	0 %	0.02 %	0.02 %

volatile fatty acid

passes test

volatile organic substances

pass