

Certificate of Analysis

Date of Testing: 2024-02-23 15:47:37

Date of Next Testing: 2027-02-22 15:47:37

Product Name: **Calcium acetate hydrate**

CAS Number: 114460-21-8

Specifications & Purity: Ultrapure BioReagent, ≥99.0% (calc. on dried material, KT)

Lot #: B2418267

SKU #: **C476202**

Analysis: **317477**

Parameter	Limit Values	Result
Assay(Titration with EDTA)(after loss on drying)	98.5-101.5 (%)	99.20 %
Water by Karl Fischer	0-7 (%)	5.10 %
Barium(Ba)	0-20 (ppm)	1.02 ppm
Bismuth(Bi)	0-5 (ppm)	0.31 ppm
Cadmium(Cd)	0-5 (ppm)	0.01 ppm
Cobalt(Co)	0-5 (ppm)	0.10 ppm
Chromium(Cr)	0-5 (ppm)	0.20 ppm
Copper(Cu)	0-5 (ppm)	1.05 ppm
Iron(Fe)	0-5 (ppm)	2.03 ppm
Potassium(K)	0-100 (ppm)	16.30 ppm
Lithium(Li)	0-5 (ppm)	0.20 ppm
Magnesium(Mg)	0-1000 (ppm)	20.50 ppm
Manganese(Mn)	0-5 (ppm)	0.01 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-150 (ppm)	0.66 ppm
Nickel(Ni)	0-5 (ppm)	0.02 ppm
Lead(Pb)	0-5 (ppm)	1.00 ppm
Strontium(Sr)	0-200 (ppm)	10.11 ppm
Zinc(Zn)	0-5 (ppm)	0.06 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.01 ppm
Total sulfur as SO ₄ (ICP)	0-200 (ppm)	51.30 ppm
Chloride (Cl ⁻)	0-50 (ppm)	12.60 ppm
PH(1M in H ₂ O)	7.0-8.5	7.60000
Uv-Abs. At 260 nm	0-0.09	0.02300
Uv-Abs. At 280 nm	0-0.07	0.01900
Residue (filter test)	no residue	no residue
Appearance(C476202)	Colorless or White Solid	colorless or white solid



ALADDIN SCIENTIFIC CORPORATION

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Parameter	Limit Values	Result
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Solubility(1M in H ₂ O),Clear colorless Liquid	Pass	Pass

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

John Su
QA & QC Manager