

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-07-29 13:13:00
Date of Next Testing:	2028-07-28 13:13:00
Product Name:	2-Keto-D-gluconic acid hemicalcium salt hydrate
CAS Number:	1040352-40-6
Specifications & Purity:	≥98%
Lot #:	G2528453
SKU #	K192889
Version	1
Analysis #:	498403
Storage Temperature:	Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-14 (%)	2.80240 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	-72--68 (°)	-69.35800 °
Purity(as Ca)(anhydrous)	98-100 (%)	99.10000 %
Appearance (K192889)	white to off-white crystalline powder	white to off-white crystalline powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager