

Certificate of Analysis

Date of Testing: 2025-07-29 13:44:46

Date of Next Testing: 2028-07-28 13:44:46

Product Name: **2-Keto-D-gluconic acid hemicalcium salt hydrate**

CAS Number: 1040352-40-6

Specifications & Purity: $\geq 98\%$

Lot #: G2528454

SKU #: **K192889**

Version: **1**

Analysis #: **498403**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-14 (%)	2.80 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	-72--68 (°)	-69.36 °
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