

Certificate of Analysis

Date of Testing: 2025-02-08 14:33:59
 Date of Next Testing: 2028-02-08 14:33:59
 Product Name: **2-Keto-D-gluconic acid hemicalcium salt hydrate**
 CAS Number: 1040352-40-6
 Specifications & Purity: $\geq 98\%$
 Lot #: B2507258
 SKU #: **K192889**
 Version: **1**
 Analysis #: **456283**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-14 (%)	7.35 %
Purity(as Ca)(anhydrous)	98-100 (%)	98.48000 %
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in } H_2O)}$	-72--68 (°)	-68.01 °
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