

Certificate of Analysis

Date of Testing: 2022-03-25 14:46:24
Date of Next Testing: 2025-03-24 14:46:24
Product Name: **2-Keto-D-gluconic acid hemicalcium salt hydrate**
CAS Number: 1040352-40-6
Specifications & Purity: 98%
Lot #: C2224178
SKU #: **K192889**
Analysis: 079615
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-14 (%)	3.76 %
Purity(as Ca)	97.5-102.5 (%)	97.53 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	-72--68 (°)	-68.39°
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