

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-02-12 16:24:39

Date of Next Testing: 2024-02-02 16:24:39

Product Name: **4-Chlorobenzoyl chloride**

CAS Number: 122-01-0

Specifications & Purity: >98.0%(GC)

Lot #: B2209233

SKU #: **C106079**

Analysis: **061559**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity (Titration by NaOH)	97.5-102.5 (%)	98.55 %
Refractive index n ₂₀ /D	1.578-1.58	1.58
Purity(GC)	98-100 (%)	98.88 %
Density (20°C)	1.364-1.367	1.36
Appearance (C106079)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager