

Certificate of Analysis

Date of Testing: 2023-12-18 16:28:22

Date of Next Testing: 2025-12-07 16:28:22

Product Name: **4-Nitrobenzoyl chloride**

CAS Number: 122-04-3

Specifications & Purity: for HPLC derivatization, $\geq 99.0\%$ (GC)

Lot #: C2226650

SKU #: **N106145**

Analysis: **305769**

Storage Temperature: Store at 2-8°C, Argon charged, Desiccated

Parameter	Limit Values	Result
Melting point	71-75 (°C)	72.36000 °C
Purity(GC)	99-100 (%)	99.20 %
Free carboxylic acid (carbonic acid)	0-0.5 (%)	0.26 %
Purity(Titration)	99-101 (%)	99.87 %
Residue on Ignition	0-0.05 (%)	0.03000 %
Appearance (N106145)	yellow solid	yellow solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in toluene(heat)	100 mg/ml, Clear	100 mg/ml, Clear



John Su
QA & QC Manager