

## Certificate of Analysis

Date of Testing: 2023-02-11 23:26:19  
Date of Next Testing: 2027-02-10 23:26:19  
Product Name: **4-Chlorobenzoic acid**  
CAS Number: 74-11-3  
Specifications & Purity: >99.0%(GC)  
Lot #: B2307012  
SKU #: **C104333**  
Analysis: **038226**

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.00%
Purity (Titration by NaOH)	98.5-101.5 (%)	99.73%
Appearance (C104333)	white to off-white powder or flakes	white to off-white powder or flakes
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot MeOH	almost transparency	almost transparency



John Su  
QA & QC Manager