

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-24 14:45:32  
 Date of Next Testing: 2029-04-23 14:45:32  
 Product Name: **4-Chlorobenzoic acid (4-CBA)**  
 CAS Number: 74-11-3  
 Specifications & Purity:  $\geq 99\%$ (GC)  
 Lot #: D2521136  
 SKU #: **C104333**  
 Version: **0**  
 Analysis #: **496407**  
 Storage Temperature: Room temperature, Cool

| Parameter                  | Limit Values                        | Result                              |
|----------------------------|-------------------------------------|-------------------------------------|
| Purity (Titration by NaOH) | 98.5-101.5 (%)                      | 99.72000 %                          |
| Purity(GC)                 | 99-100 (%)                          | 99.74300 %                          |
| Appearance (C104333)       | white to off-white powder or flakes | white to off-white powder or flakes |
| Proton NMR spectrum        | Conforms to Structure               | Conforms to Structure               |
| Solubility in hot MeOH     | almost transparency                 | almost transparency                 |
| Infrared spectrum          | Conforms to Structure               | Conforms to Structure               |



John Su  
 QA & QC Manager