

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-17 10:11:44
 Date of Next Testing: 2026-09-16 10:11:44
 Product Name: **1,4-Cyclohexanedicarboxylic acid**
 CAS Number: 1076-97-7
 Specifications & Purity: $\geq 99\%$, mixture of cis- and trans-
 Lot #: I2209203
 SKU #: **C100837**
 Version: **0**
 Analysis #: **105259**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-100 (ppm)	73.60000 ppm
CIS-1.4 CHDA	60-85 (%)	71.00000 %
Water by Karl Fischer	0-1 (%)	0.11370 %
Iron(Fe)	0-15 (ppm)	13.20000 ppm
Melting point	165-168 (°C)	167.37000 °C
Purity (sum of isomers)(GC)	99-100 (%)	99.11000 %
Appearance (C100837)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager