

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-17 15:42:55

Date of Next Testing: 2024-09-16 15:42:55

Product Name: **tert-Butylcyclohexane**

CAS Number: 3178-22-1

Specifications & Purity: $\geq 99\%$ (GC)

Lot #: A1915065

SKU #: **I135611**

Version: **0**

Analysis #: **136213**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.12000 %
Density (20°C)	0.813-0.815	0.81400
Refractive index n ₂₀ /D	1.445-1.448	1.44700
Appearance (I135611)	Colorless clear liquid	Colorless clear liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager