

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-23 13:47:47

Date of Next Testing: 2025-03-22 13:47:47

Product Name: **N-tert-Butylpiperazine**

CAS Number: 38216-72-7

Specifications & Purity: $\geq 97\%$

Lot #: C2215088

SKU #: **N193108**

Version: **0**

Analysis #: **069237**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	98.65800 %
Appearance (N193108)	White to yellow low-melting solid	White to yellow low-melting solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager