

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-24 11:48:33
 Date of Next Testing: 2027-05-23 11:48:33
 Product Name: **3-Fluoro-4-nitrotoluene**
 CAS Number: 446-34-4
 Specifications & Purity: $\geq 99\%$
 Lot #: E2316593
 SKU #: **F120690**
 Version: **1**
 Analysis #: **202948**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	8.8-9.2 (%)	8.93600 %
Melting point	50-56 (°C)	53.23000 °C
Carbon by Elemental Analysis	53.4-55 (%)	54.38000 %
Purity(GC)	99-100 (%)	99.00100 %
Appearance (F120690)	White to Light orange to Yellow to Brown to Green Powder,crystals or Chunks	White to Light orange to Yellow to Brown to Green Powder,crystals or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager