

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-24 11:42:52  
 Date of Next Testing: 2026-07-23 11:42:52  
 Product Name: **1-Fluoro-2,4-dinitrobenzene**  
 CAS Number: 70-34-8  
 Specifications & Purity: purum p.a., ≥98.0% (GC)  
 Lot #: G2315650  
 SKU #: **F475701**  
**Analysis:** **247731**  
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-3 (%)	0.10 %
Calcium(Ca)	0-50 (ppm)	0.00 ppm
Cadmium(Cd)	0-50 (ppm)	0.00 ppm
Cobalt(Co)	0-50 (ppm)	0.00 ppm
Copper(Cu)	0-50 (ppm)	0.00 ppm
Iron(Fe)	0-50 (ppm)	0.00 ppm
Potassium(K)	0-100 (ppm)	2.40 ppm
Sodium(Na)	0-100 (ppm)	0.00 ppm
Nickel(Ni)	0-50 (ppm)	0.00 ppm
Lead(Pb)	0-50 (ppm)	0.00 ppm
Zinc(Zn)	0-50 (ppm)	0.00 ppm
Purity(GC)	98-100 (%)	99.27 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
FNMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(F475701)	White or Colorless to Yellow to Green powder to lump to clear liquid	White or Colorless to Yellow to Green powder to lump to clear liquid



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager