

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-08 10:25:10

Date of Next Testing: 2027-02-07 10:25:10

Product Name: **3-(Trifluoromethyl)-1-methyl-1H-pyrazole-4-carboxylic acid**

CAS Number: 113100-53-1

Specifications & Purity: $\geq 97\%$

Lot #: E1522119

SKU # **T123195**

Version **0**

Analysis #: **184477**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	13.5-14.8 (%)	14.50000 %
Carbon by Elemental Analysis	35.5-37.5 (%)	37.40000 %
Purity (Titration by NaOH)	96.5-103.5 (%)	103.40000 %
Purity(GC)	97-100 (%)	97.23500 %
Appearance (T123195)	White to Tan Powder or Crystals or chunrks	White to Tan Powder or Crystals or chunrks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager