

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-02-20 13:52:50

Date of Next Testing: 2028-02-19 13:52:50

Product Name: **Sudan I**

CAS Number: 842-07-9

Specifications &amp; Purity: Dye content 96%

Lot #: B2401044

SKU #: **S112784****Analysis: 321723**

Parameter	Limit Values	Result
Extinction Coefficient(223 - 233 nm c = 0.01g/L; Ethanol)	≥36000	37000.00
Extinction (461 - 491 nm , c = 0.01g/L; Ethanol)	≥13000	15000.00
Purity(HPLC)	96-100 (%)	97.30400 %
Nitrogen by Elemental Analysis	10.6-11.9 (%)	10.90 %
Extinction (299 - 319 nm , c = 0.01g/L; Ethanol)	≥7000	80000.00
Carbon by Elemental Analysis	72.8-82 (%)	78.31 %
Appearance (S112784)	Orange to Red Powder,Solid,Crystals and/or Chunks	Orange to Red Powder,Solid,Crystals and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility,Orange and clear(c = 1mg/ml, Chloroform)	pass	Pass

John Su  
QA & QC Manager