

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-07 09:59:52

Date of Next Testing: 2028-08-06 09:59:52

Product Name: **Sudan I**

CAS Number: 842-07-9

Specifications &amp; Purity: Dye content 96%

Lot #: G2426423

SKU #: **S112784**Version: **0**Analysis #: **383450**

Parameter	Limit Values	Result
Extinction Coefficient(223 - 233 nm c = 0.01g/L; Ethanol)	≥36000	36000.00
Extinction (461 - 491 nm , c = 0.01g/L; Ethanol)	≥13000	13000.00
Purity(HPLC)	96-100 (%)	99.80400 %
Nitrogen by Elemental Analysis	10.6-11.9 (%)	10.94 %
Extinction (299 - 319 nm , c = 0.01g/L; Ethanol)	≥7000	7000.00
Carbon by Elemental Analysis	72.8-82 (%)	75.93 %
Appearance (S112784)	Orange to Red Powder,Solid,Crystals and/or Chunks	Orange to Red Powder,Solid,Crystals and/or Chunks
Solubility,Orange and clear(c = 1mg/ml, Chloroform)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure

John Su  
QA & QC Manager