

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-23 10:43:51
 Date of Next Testing: 2027-10-22 10:43:51
 Product Name: **Sudan I**
 CAS Number: 842-07-9
 Specifications & Purity: Dye content 96%
 Lot #: L1924045
 SKU #: **S112784**
 Analysis: **288163**

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 (%)	98.30000 %
Nitrogen by Elemental Analysis	10.6-11.9 (%)	10.90 %
Extinction (299 - 319 nm , c = 0.01g/L; Ethanol)	≥7000	7000.00
Carbon by Elemental Analysis	72.8-82 (%)	75.65 %
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