

## Certificate of Analysis

Date of Testing: 2023-02-07 17:13:55

Date of Next Testing: 2027-02-06 17:13:55

Product Name: **Sudan I**

CAS Number: 842-07-9

Specifications & Purity: Dye content 96%

Lot #: A2330505

SKU #: **S112784**

**Analysis: 184691**

Parameter	Limit Values	Result
Extinction Coefficient(223 - 233 nm c = 0.01g/L; Ethanol)	≥36000	38000.00
Extinction (461 - 491 nm , c = 0.01g/L; Ethanol)	≥13000	14000.00
Purity(HPLC)	96-100 (%)	96.31370 %
Nitrogen by Elemental Analysis	10.6-11.9 (%)	10.61 %
Extinction (299 - 319 nm , c = 0.01g/L; Ethanol)	≥7000	8500.00
Carbon by Elemental Analysis	72.8-82 (%)	73.58 %
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