

Certificate of Analysis

Date of Testing: 2024-08-07 10:05:31
Date of Next Testing: 2028-08-06 10:05:31
Product Name: **Sudan I**
CAS Number: 842-07-9
Specifications & Purity: Dye content 96%
Lot #: G2426419
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