

Certificate of Analysis

Date of Testing: 2022-11-24 19:13:26
Date of Next Testing: 2026-11-23 19:13:26
Product Name: **Sudan I**
CAS Number: 842-07-9
Specifications & Purity: Dye content 96%
Lot #: K2222696
SKU #: **S112784**
Analysis: **130763**

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 (%)	99.51500 %
Nitrogen by Elemental Analysis	10.6-11.9 (%)	10.97 %
Extinction (299 - 319 nm , c = 0.01g/L; Ethanol)	≥7000	8000.00
Carbon by Elemental Analysis	72.8-82 (%)	76.13 %
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