

## Certificate of Analysis

Date of Testing: 2023-05-23 17:21:43  
Date of Next Testing: 2027-05-22 17:21:43  
Product Name: **Sudan Blue II**  
CAS Number: 17354-14-2  
Specifications & Purity: high-purity , 97%  
Lot #: E2317854  
SKU #: **S104465**  
Analysis: **183049**

Parameter	Limit Values	Result
Purity	97-100 (%)	98.41%
Extinction Coefficient: $\lambda$ 600 - 604 nm	$\geq 13000$	14000.00
Extinction Coefficient: $\lambda$ 648 - 652 nm	$\geq 16000$	16500.00
Melting point	120-122 (°C)	121.20000 °C
Solubility in Chloroform , c = 4mg/ml	Conforms	Conforms
$\lambda, c = 0.01\text{g/L}$ ; Chloroform	Pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance (S104465)	Maroon to violet to blue powder or crystals	Maroon to violet to blue powder or crystals



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QA & QC Manager