

Certificate of Analysis

Date of Testing: 2023-11-23 11:31:38

Date of Next Testing: 2027-11-22 11:31:38

Product Name: **Rose bengal**

CAS Number: 632-69-9

Specifications & Purity: 95%

Lot #: K2321273

SKU #: **R104993**

Analysis: **293782**

Storage Temperature: Protected from light, Desiccated

Parameter	Limit Values	Result
Extinction Coefficient: λ 350 - 354 nm	≥ 3000	3021.00
Extinction Coefficient: λ 546 - 550 nm	≥ 98000	98610.30
Extinction Coefficient: λ 513 - 517 nm	≥ 32000	32507.20
Extinction Coefficient: λ 262 - 266 nm	≥ 32000	33000.00
Extinction Coefficient: λ 311 - 315 nm	≥ 12000	12693.20
Purity (HPLC)	95-100 (%)	97.94100 %
Appearance (R104993)	red to brown powder	red to brown powder
$\lambda_c = 0.004\text{g/L H}_2\text{O} + 1\text{ml } 1\% \text{Na}_2\text{CO}_3$	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager