

## Certificate of Analysis

Date of Testing: 2023-08-15 10:22:29  
Date of Next Testing: 2025-08-04 10:22:29  
Product Name: **Erythrosin B**  
CAS Number: 16423-68-0  
Specifications & Purity: 85%  
Lot #: K2119323  
SKU #: **E108729**  
**Analysis:** **264031**  
Storage Temperature: Protected from light, Desiccated

Parameter	Limit Values	Result
Extinction Coefficient( $\lambda$ :524 - 528 nm)	$\geq 82500$	84500.00
Dye Content	85-100 (%)	95.66%
Extinction Coefficient( $\lambda$ :308 - 312 nm)	$\geq 13000$	13700.00
Extinction Coefficient( $\lambda$ :259 - 263 nm)	$\geq 32000$	33200.00
Appearance (E108729)	Red to Very Dark Red Crystals or Powder	Red to Very Dark Red Crystals or Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Red-Orange to Red, Clear (c = pass 1mg/ml)		Pass



John Su  
QA & QC Manager