

## Certificate of Analysis

Date of Testing: 2022-02-22 17:21:22  
Date of Next Testing: 2026-02-21 17:21:22  
Product Name: **Erythrosin B sodium salt**  
CAS Number: 568-63-8  
Specifications & Purity: 85%  
Lot #: B2218456  
SKU #: **E104547**  
Version: **0**  
Analysis #: **063756**  
Storage Temperature: Argon charged

| Parameter  | Limit Values          | Result                |
|--|-----------------------|-----------------------|
| Dye Content  | 85-100 (%)            | 99.04 %               |
| Extinction Coefficient( $\lambda$ :259 - 263 nm)                       | $\geq 32000$          | 33900.49              |
| Extinction Coefficient( $\lambda$ :524 - 528 nm)                       | $\geq 82500$          | 91954.00              |
| Extinction Coefficient( $\lambda$ :306 - 310 nm)                       | $\geq 13000$          | 13542.94              |
| Appearance (E104547)   | red to brown powder   | red to brown powder   |
| Biological Stain Test  | Pass                  | Pass                  |
| Proton NMR spectrum  | Conforms to Structure | Conforms to Structure |
| Solubility in H <sub>2</sub> O , Red-Orange to Red, Clear (c = 1mg/ml) | pass                  | Pass                  |



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