

Certificate of Analysis

Reference Material & Standard

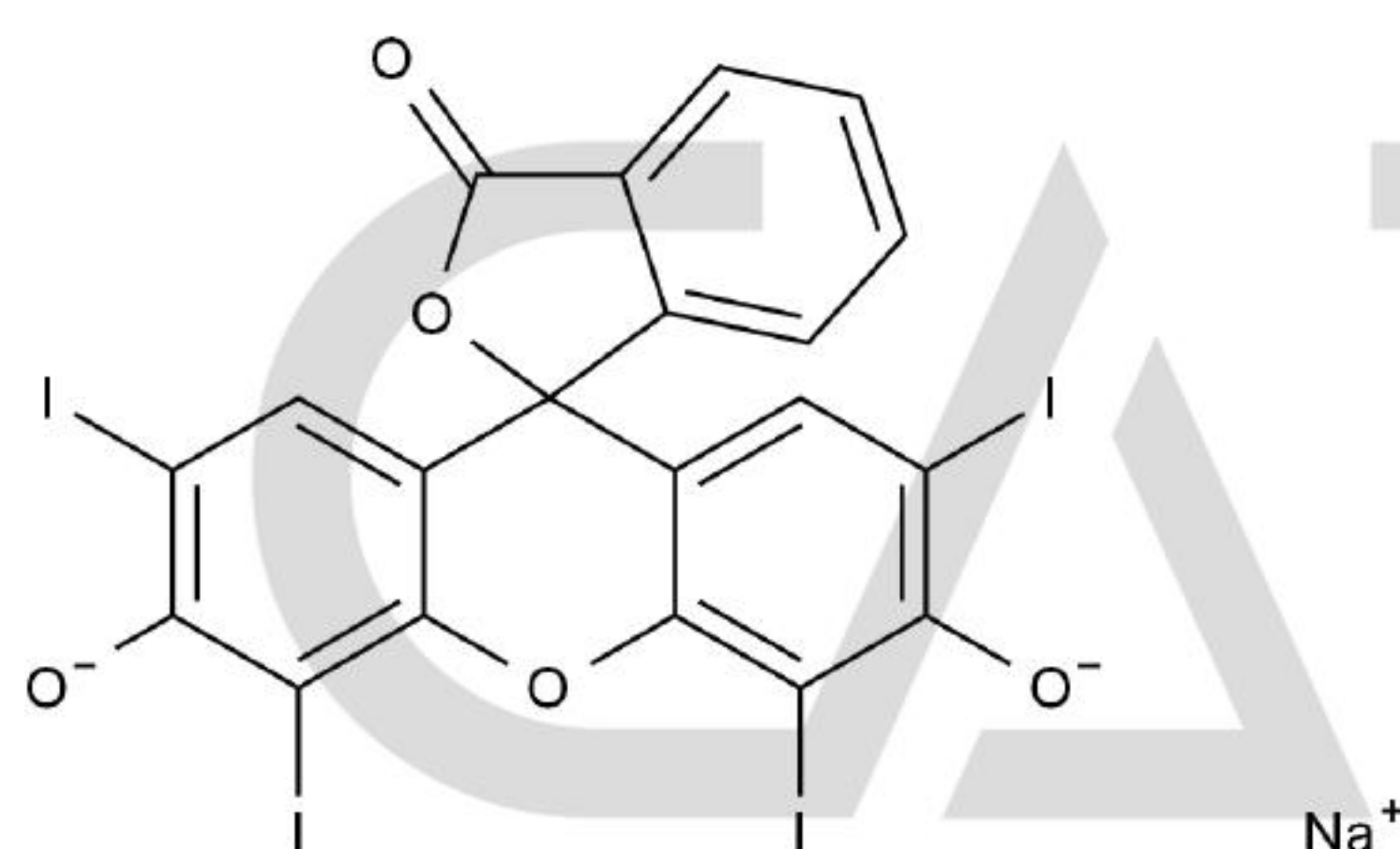
Product Name:	Erythrosine B	Catalogue Number:	CCFD200395
Synonyms:	N/A	Lot Number:	0210-RG-0059
CAS Number:	16423-68-0	Expiry Date:	Feb 09, 2029
Molecular Formula:	C ₂₀ H ₆ I ₄ O ₅ 2*Na	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	833.88 2*22.99	Shipping Condition:	Shipping at Room Temperature

Warning:



Na⁺

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Red Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.513%
Water Content	Karl Fischer	15.9483%
Assay	qNMR	77.1%
Uncertainty		±3.5%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Jul 20, 2026

Date: Jul 21, 2026

Date: Jul 21, 2026



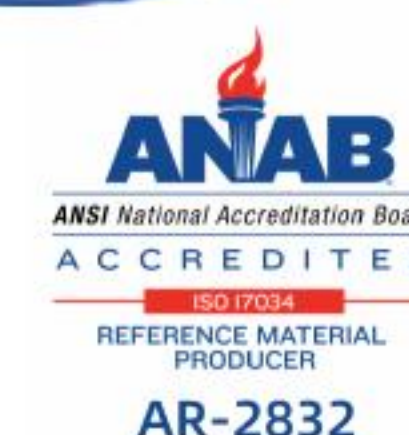
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