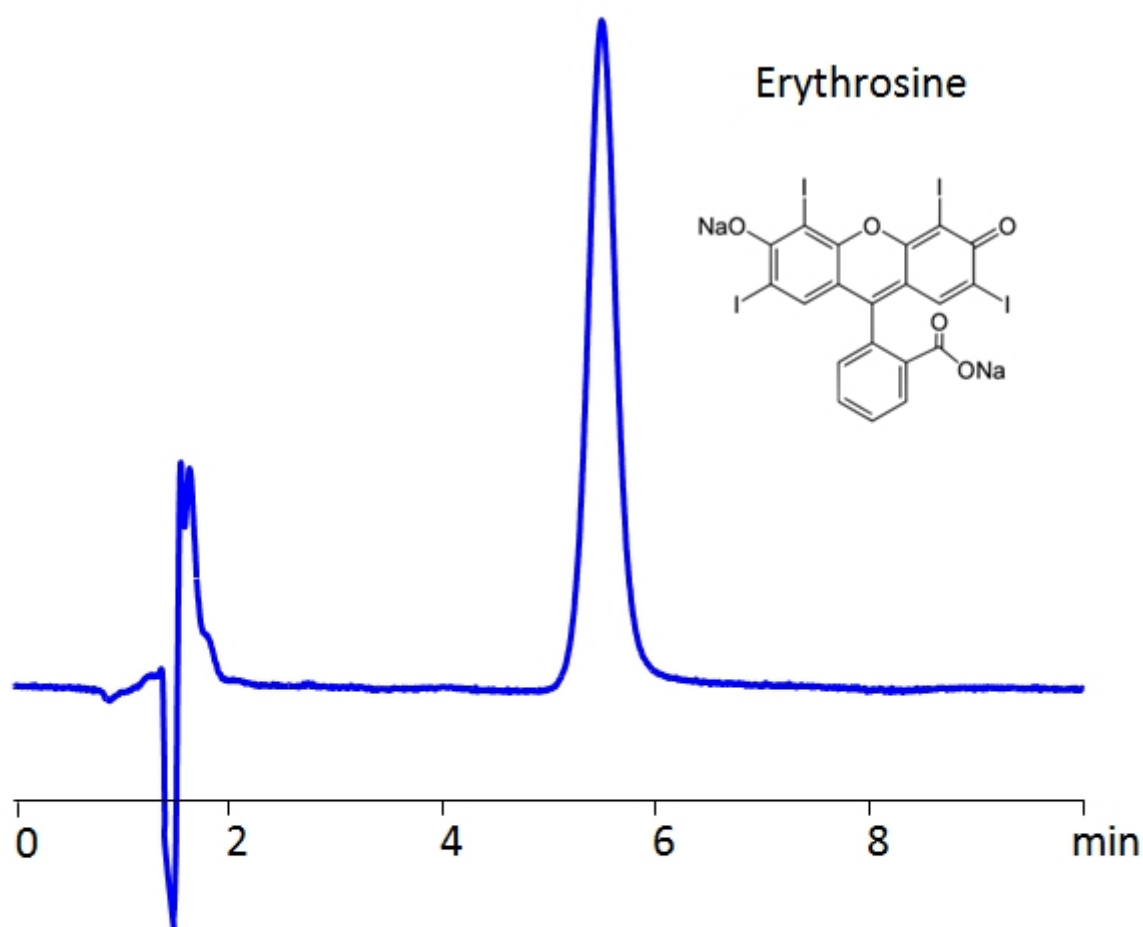


HPLC Method For Analysis of Erythrosine on Newcrom BH Column

<https://sielc.com/hplc-method-for-analysis-of-erythrosine>

Chromatogram



Column:	Newcrom BH
Column size:	2.1 × 100 mm, 5 µm
Column part number:	NBH-21.100.0510
Mobile phase:	MeOH – 75%
Buffer:	HClO ₄ – 0.5%
Flow rate:	0.2 ml/min
UV detection:	240 nm

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Erythrosine

Erythrosine (also known as Red #3) is a fluorescent red acid dye used for food coloring, pharmaceutical dye, in printing inks, as a biological stain, and as a dental plaque disclosing agent. It is banned in the European Union for health risks. It has the chemical formula C₂₀H₆I₄Na₂O₅.

Erythrosine can be retained on HPLC mixed-mode Newcrom BH column using a mobile phase consisting of methanol (MeOH) and water with perchloric acid (HClO₄) buffer. The analysis method can be UV detected at 240 or 498 nm.

Method Parameters

Mobile Phase	MeOH/H ₂ O – 75/25%
Buffer	HClO ₄ – 0.5%
Flow Rate	0.2 ml/min
Detection	UV 240, 480 nm
Class of Compounds	Acid, Dyes
Analyzing Compounds	Erythrosine

HPLC Column Used

Newcrom BH, 2.1 x 100 mm, 5 µm, 100 Å, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)