

# Chem-Impex International, Inc.

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Manufacturing site:

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## Certificate of Analysis

**Catalogue Number** 22878  
**Lot Number** 000331-33235  
**Product** **Eriochrome Cyanine R**

Mordant Blue 3

**CAS Number** 3564-18-9  
**Molecular Formula**  $C_{23}H_{15}Na_3O_9S$

**Molecular Weight** 536.4

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**Appearance** Dark red powder  
**Solubility** 5% in water / 2% in ethanol  
**Infrared Spectrum** Conforms to structure  
**UV Ratios** 440 nm in pH 7 aqueous buffer  
**Visual Transition Range** From pH 1.0 (yellow-orange) to pH 2.0 (red)  
From pH 6.0 (red) to pH 7.0 (yellow)  
From pH 11.0 (yellow) to pH 12.0 (blue)  
**Storage** Store at RT  
**Additional Information** Spectrophotometric Assay (E 440 nm): 14925

**Remarks** See material safety data sheet for additional information  
For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager