

# Chem-Impex International, Inc.

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**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

|                          |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| <b>Catalogue Number</b>  | 21726                                                                              |
| <b>Product</b>           | <b>Sulfobromophthalein disodium salt hydrate</b>                                   |
| <b>Lot Number</b>        | 000331-32767                                                                       |
|                          | Bromsulfalein disodium salt hydrate<br>Bromothalein disodium salt hydrate          |
| <b>CAS Number</b>        | 123359-42-2                                                                        |
| <b>Molecular Formula</b> | C <sub>20</sub> H <sub>8</sub> Br <sub>4</sub> O <sub>10</sub> S <sub>2</sub> •2Na |
| <b>Molecular Weight</b>  | 838                                                                                |

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|-------------------------------|--------------------------------------------------------------------------------------|
| <b>Appearance</b>             | Pale grey powder                                                                     |
| <b>Appearance of Solution</b> | Clear to slightly hazy, colorless to pale yellow solution (5% in H <sub>2</sub> O)   |
| <b>Solubility</b>             | Soluble in water. Very slightly soluble in ethanol and acetone.                      |
| <b>Cation</b>                 | Calcium: 0.035%                                                                      |
| <b>Infrared Spectrum</b>      | Conforms to structure                                                                |
| <b>UV Ratios</b>              | $\lambda_{\max}$ : 579 (366 nm) in 0.1N NaOH                                         |
| <b>Loss on Drying</b>         | 4.15% (110 °C, 1 hour)                                                               |
| <b>Storage</b>                | Store at 0-8 °C                                                                      |
| <b>Remarks</b>                | See material safety data sheet for additional information<br>For laboratory use only |

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



**Bala Kumar**  
**Quality Control Manager**