

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

|                          |  |
|--------------------------|--|
| <b>Catalogue Number</b>  | 00479  |
| <b>Lot Number</b>        | 002126-03-35                                     |
| <b>Product</b>           | <b>Phenol red</b><br>Phenolsulphonephthalein     |
| <b>CAS Number</b>        | 143-74-8   |
| <b>Molecular Formula</b> | C <sub>19</sub> H <sub>14</sub> O <sub>5</sub> S |
| <b>Molecular Weight</b>  | 354.38   |

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|--------------------------------|--|
| <b>Appearance</b>              | Red powder   |
| <b>Solubility</b>              | Clear golden yellow solution 0.1% (95% EtOH)   |
| <b>UV Ratios</b>               | Absorptivity 1%, 1 cm :<br>(pH 6.5) at $\lambda$ max 431 nm : 683<br>(pH 8.2) at $\lambda$ max 558.2 nm : 1168 |
| <b>Visual Transition Range</b> | From pH 6.5 (Yellow) to pH 8.2 (Red violet)  |
| <b>Loss on Drying</b>          | 0.97%  |
| <b>Dye content</b>             | 97.3% (Spectrophotometry)  |
| <b>Grade</b>                   | ACS reagent  |
| <b>Storage</b>                 | Store at RT  |
| <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