



## Specifications

### Resazurin Sodium Certified

**Catalog Number:** RS1003  
**C.I. Number:** N/A  
**CAS Number:** 62758-13-8  
**Synonyms:** Alamar Blue; 7-Hydroxy-3H-phenoxazin-3-one-10-oxide, sodium salt  
**Molecular Formula:**  $C_{12}H_6NNaO_4$   
**Molecular Weight:** 251.18  
**Storage:** 15°C – 30°C

| Test                              | Specification   |
|-----------------------------------|---|
| Appearance:                       | Dark green to black Powder  |
| Identification (IR):              | To conform to standard  |
| Dye content:                      | > 80%   |
| Lambda Max:                       | 598(380)nm in water   |
| pH (0.1 mg/ml H <sub>2</sub> O)   | 8.75 - 10.0   |
| Solubility 0.1% H <sub>2</sub> O: | Dark bluish purple.<br>Insoluble in ether, slightly soluble in alcohol and acetic acid. |
| Visual transition Interval:       | From pH 3.5 (orange) To pH 6.5 (bluish-violet)  |

Approved by:

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