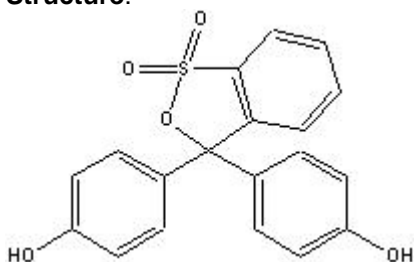


## TECHNICAL INFORMATION

Catalog Number: 102609, 152554, 194596

### Phenol Red, Free Acid

#### Structure:



**Molecular Formula:** C<sub>19</sub>H<sub>14</sub>O<sub>5</sub>S

**Molecular Weight:** 354.3

**CAS #** 143-74-8

**Synonym:** Phenolsulfonphthalein

**Physical Description:** Dark red powder

**Description:** A acid-base indicator. It is made by condensing two moles of phenol with one mole of o-sulfobenzoic acid anhydride. Visual transition interval is from pH 6.8 (yellow) to pH 8.2 (red). The pK is 7.9. Used in culture medias as a pH indicator.

#### Availability:

Catalog Number	Description	Size
102609	Phenol Red, Free Acid	5 g 10 g 25 g 50 g
152554	Phenol Red, Free Acid, ACS Grade	5 g 10 g 25 g
194596	Phenol Red, Free Acid, Cell Culture Reagent	1 g 5 g 10 g

**Solubility:** Soluble in water (3 mg/ml), ethanol (4 mg/ml), methanol or acetic acid. Readily soluble in alkaline solutions.

#### References:

- *Reagent Chemicals, 7th Ed.*; American Chemical Society: Washington, D.C., pp 469-470 (1986).
- *The United States Pharmacopeia, twentieth version*; United States Pharmacopeial Convention; Mack: Easton, pp. 612-613 (1979).
- *Merck Index 12th Ed.*, No7397

