

Product Name: Phenol Red, pure, indicator
Catalog Number: 151430050

CAS Number: 143-74-8
IUPAC Name: 3,3-bis(4-hydroxyphenyl)-3H-2,1λ⁶-benzoxathiole-1,1-dione
Molecular Formula: C₁₉H₁₄O₅S
Molecular Weight: 354.38
InChI Key: BELBBZDIHDAJOR-UHFFFAOYSA-N
SMILES: OC1=CC=C(C=C1)C1(OS(=O)(=O)C2=CC=CC=C12)C1=CC=C(O)C=C1
Synonym: phenol red phenolsulphonphthalein sulphental phenolsulfonphthalein preparation

Product Specification

Appearance (Color): Red
Appearance (Form): Powder
Infrared spectrum: Conforms
Solubility: (0.1 % in 95% ethanol) Clear soluble
UV Lambda max: 555 to 561 nm (in buffer)
Specific extinction E (1%/1cm): ≥1700 (at lambda max., in buffer)
Visual transition interval: from pH 6.8 (yellow) to pH 8.2 (red)

Date Of Print: 05/14/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.