



Phenol Red

pH indicator and pH monitor agent

Phenol red is used as pH indicator in microbial culture media and used for monitoring the pH in cell culture. This dye can be used to measure Br in fresh and sea water. Phenol red used in diagnostic laboratories to check kidney function by colorimetric method.

Cat. Number	ASC-1005
CAS Number	143-74-8
MDL Number	MFCD00003552
Pubchem	310278714
Molecular Weight	354.38 gr/mol
Molecular Formula	C ₁₉ H ₁₄ O ₅ S
Storage Temperature	20 °C
Form and Color	Powder / Red to dark red
Solution Appearance	1 % in 95 % ethanol / clear golden solution
Solubility	Soluble in water, ethanol, methanol and insoluble in chloroform.
pH Transition Range	6.8 (Brownish yellow) – 7 (Orange) – 8.2 (red violet)
Wavelength of Maximum Absorption	430 - 435 nm (pH 6.5)
Wavelength of Maximum Absorption	557 - 560 nm (pH 8.2)
Absorptivity (E1%, 1cm cell)	600 - 700 (pH 6.5)
Absorptivity (E1%, 1cm cell)	1100 - 1200 (pH 8.2)
Loss on Drying	≤ 5 %
Synonym	Phenolsulfonephthalein;3,3-Bis(p-hydroxyphenyl)-2,1-3H-benzoxathiole