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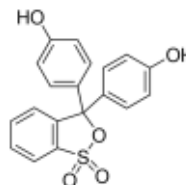
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## Product Specification

Product Name:  
Phenol Red – ACS reagent

**Product Number:** 114529  
**CAS Number:** 143-74-8  
**MDL:** MFCD00003552  
**Formula:** C<sub>19</sub>H<sub>14</sub>O<sub>5</sub>S  
**Formula Weight:** 354.38 g/mol



TEST	Specification
Appearance (Form)	Powder
Infrared spectrum	Conforms to Structure
Wave Length	555 - 561 nm
Extinction Coefficient	≥ 55000
Wave Length	357 - 363 nm
Extinction Coefficient	≥ 7000
Wave Length	288 - 294 nm
Extinction Coefficient	≥ 10000
C = 0.005g/l, H <sub>2</sub> O + 20 mL pH 9 Boric Buffer	
Visual Interval	Pass
pH 6.8 Yellow	
Visual Interval	Pass
pH 7.0 Orange	
Visual Interval	Pass
pH 8.2 Red	
Clarity of Solution	Pass
Meets ACS Requirements	Current ACS Specification

Specification: PRD.2.ZQ5.10000020978

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.