



## Specification

### Phenol Red Free Acid ACS

**Catalog Number:** PR1011  
**CAS Number:** 143-74-8  
**Synonym(s):** Phenolsulfonephthalein  
**Molecular Formula:** C<sub>19</sub>H<sub>14</sub>O<sub>5</sub>S  
**Molecular Weight:** 354.38

Test	Specification
Description:	Bright Red to Dark Red Powder
Identification:	Conforms to standard
Loss on drying: ( 110 ° C / 1 hour)	5% Maximum
Absorptivity (1%, 1cm) (pH 6.5 at $\lambda$ max. 431.0nm (pH 8.2 at $\lambda$ max. 558.0nm)	600-700 1100-1200
Clarity of solution:	To Pass Test
Visual transition Interval:	From pH 6.8 (yellow) To pH 8.2 (red)
Solubility:	Slightly soluble in water, somewhat more soluble in methanol, ethanol and acetic acid and readily soluble in alkaline solutions.

Approved:

John Grubb, PhD  
Gojira Fine Chemicals  
Quality Manager  
Tel: 440-252-5397, Fax: 888-211-5523  
[docsupport@gojiraafc.com](mailto:docsupport@gojiraafc.com)

Date: April 21, 2020