



## Specifications

### Purpurin

**Catalog Number:** PP1018  
**C.I. Number:** 58205  
**CAS Number:** 81-54-9  
**Synonyms:** N/A  
**Molecular Formula:** C<sub>14</sub>H<sub>8</sub>O<sub>5</sub>  
**Molecular Weight:** 256.22  
**Storage:** 15°C – 30°C

Test	Specification
Appearance:	Dark-red to orange-brown to brown powder
Assay (HPLC):	Min. 94%
Impurity HPLC:	Max 3% Alizarin
Loss on drying: (150° C 1 hour)	Max 1%
Melting Point:	253 °C to 256 °C
Spectrophotometric Assay Conc. 0.01g/l in methanol Extinction Co-efficient	(237nm +/- 3nm) = 17000 E (257nm +/- 3nm) = 17000 E (514nm +/- 3nm) = 7000 E
pH: (50mg in 100 ml, 50/50 THF & H <sub>2</sub> O)	3.8 to 4.5
Manganese (Mn) ICP:	Max. 500ppm
Sulfur (S) ICP:	Max. 1500ppm
Solubility: (1mg/ml NH <sub>4</sub> OH)	Red to very dark red to purple solution

Approved by:

John Grubb, PhD  
Gojira Fine Chemicals, LLC  
Quality Manager  
Tel: 440-539-7033 Fax: 888-211-5523  
[john@gojiraafc.com](mailto:john@gojiraafc.com)

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