

Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs 5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146 www.gojirafc.com • sales@gojirafc.com

Specifications

Purpurin

Catalog Number:	PP1018
C.I. Number:	58205
CAS Number:	81-54-9
Synonyms:	N/A
Molecular Formula:	C14H8O5
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	(237nm +/- 3nm) = 17000 E
Conc. 0.01g/l in methanol	(257nm +/- 3nm) = 17000 E
Extinction Co-efficient	(514nm +/- 3nm) = 7000 E
pH: (50mg in 100 m/l, 50/50 THF & H2O)	3.8 to 4.5
Manganese (Mn) ICP:	Max. 500ppm
Sulfur (S) ICP:	Max. 1500ppm
Solubility: (1mg/ml NH4OH)	Red to very dark red to purple solution

Approved by:

John grubb

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For research or further manufacturing. Not for drug, clinical or a food use in humans or animals.