



# Product Specification

## Product Name: TROPAEOLIN OO (C.I. 13080) LR

Alternate Name(s) pH Indicator (Orange IV); Diphenylamine orange; acid yellow D; Acid orange 5; 4-(4-Anilinophenylazo)benzenesulfonic acid sodium salt.  
Description  
Dull-orange to rust-coloured powder.

### Properties

Chemical Formula:  $C_{18}H_{14}N_3SO_3Na$   
Molecular Weight: 375.38

Product Code: TL031  
CAS No. 554-73-4

### General Information:

Soluble in water.

### Hazard and Safety Data

UN Group: None Allocated  
Class: None Allocated  
UN Number: None Allocated  
Hazchem code: None Allocated  
CS MSDS Code: 1CH7A  
Poison schedule: Not Scheduled  
Emergency Procedure Guide No.: N/A

### Quality Specification

Assay:

### Specific Properties and Impurities [Typical levels]:

Visual Transition Interval

pH 1.2 Red  
pH 2.7 Yellow

Loss on drying

≤ 4.7 %

Absorptivity 1%/1cm at pH 1.2

≤ 527.0 nm

Absorptivity 1%/1cm at pH 2.7

≤ 448.0 nm

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia  
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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