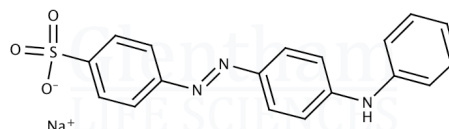


## Certificate of Analysis

Product Name Tropaeolin OO  
Glentham Code GT4399  
CAS Number 554-73-4  
EINECS 209-071-4  
MDL Number MFCD00038130  
Colour Index 13080  
PubChem SID 310281464  
Batch Number 961HWV

Molecular Weight 375.38  
Molecular Formula  $C_{18}H_{14}N_3NaO_3S$   
Storage Temp. +20°C



Property	Specification	Batch 961HWV
Physical Description	Orange powder	Orange powder
Solubility (0.1% in 50% EtOH)	Clear solution	Clear solution
pH Transition Range	1.4 - 2.6 (red to yellow)	Conforms
Wavelength of Maximum Absorption ( $\lambda_{max}$ )	440 - 450 nm (in water)	431.6nm
Absorptivity (1%/1cm)	$\geq 400$ (at $\lambda_{max}$ )	682
Loss on Drying	$\leq 5.0\%$	3.4%

Specification Version v1.0  
Manufacture Date 2023-05-01  
Re-Test Date 2033-11-22

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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