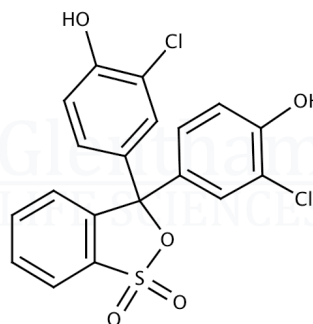


## Certificate of Analysis

Product Name Chlorophenol Red  
Glentham Code GT3722  
CAS Number 4430-20-0  
EINECS 224-619-2  
MDL Number MFCD00005877  
PubChem SID 310270027  
Batch Number 150QVG

Molecular Weight 432.28  
Molecular Formula  $C_{19}H_{12}Cl_2O_5S$   
Storage Temp. +20°C



Property	Specification	Batch 150QVG
Physical Description	Red to green, red-brown or brown powder or crystals	Conforms
Solubility (0.1% in ethanol)	Clear, orange, dark orange or red-orange solution	Conforms
pH Transition Range(s)	4.6 - 7.3 (yellow to purple)	4.8 - 6.4
Wavelength of Maximum Absorption ( $\lambda_{max}$ )	573.0 - 577.0 nm (0.1M NaOH)	574.8nm
Absorptivity (1%/1cm)	$\geq 1500$ ( $\lambda_{max}$ , dried basis)	1598
Loss on Drying	$\leq 8.0\%$ (1hr at 110 °C)	4.65%
Assay (spectrophotometry)	$\geq 90.0\%$	95.8%

Specification Version v1.1  
Manufacture Date 2019-12-01  
Re-Test Date 2030-10-27

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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