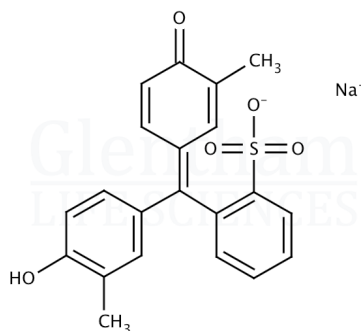


## Certificate of Analysis

Product Name	Cresol Red sodium salt
Glentham Code	GT1602
CAS Number	62625-29-0
EINECS	263-654-8
MDL Number	MFCD00001618
PubChem SID	310270538
Batch Number	233JTP
Molecular Weight	404.42
Molecular Formula	$C_{21}H_{17}NaO_5S$
Storage Temp.	+20°C



Property	Specification	Batch 233JTP
Physical Description	Red to orange or brown powder	Red-orange powder
Solubility (1% in water)	Clear, yellow solution	Clear, yellow solution
pH Transition Range	6.8 - 8.8 (yellow to purple)	Conforms
Wavelength of Maximum Absorption ( $\lambda_{max1}$ )	431.0 - 438.0 nm	434.6 nm
Wavelength of Maximum Absorption ( $\lambda_{max2}$ )	569.0 - 576.0 nm	572.8 nm
Absorptivity (1%/1cm)	400 - 550 ( $\lambda_{max1}$ , pH 6.8)	492
Absorptivity (1%/1cm)	900 - 1100 ( $\lambda_{max2}$ , pH 8.8)	993
Loss on Drying	$\leq 10.0\%$ (110°C)	2.81%
Dye Content (Spectrophotometry)	$\geq 85.0\%$	94.6%

Specification Version	v1.0
Manufacture Date	2018-12-12
Re-Test Date	2029-03-12

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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