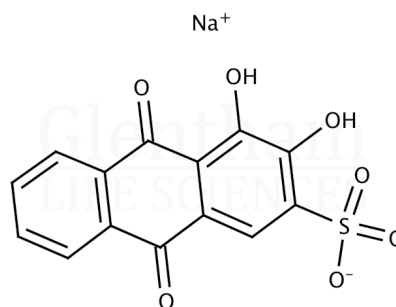


## Certificate of Analysis

Product Name	Alizarin Red S (C.I. 58005)
Glentham Code	GT6383
CAS Number	130-22-3
EINECS	204-981-8
Colour Index	58005
MDL Number	MFCD00013049
PubChem SID	310265987
Batch Number	450HWJ

Molecular Weight	342.27
Molecular Formula	$C_{14}H_7O_7Na$
Storage Temp.	+20°C



Property	Specification	Batch 450HWJ
Physical Description	Yellow, orange or brown powder	Brown-yellow powder
Solubility (0.1% in water)	Clear, yellow solution	Conforms
pH Transition Range(s)	4.3 - 6.3 (yellow to pink)	Conforms
	9.4 - 12.0 (orange-brown to violet)	Conforms
Wavelength(s) of Maximum Absorption	553.0 - 559.0 nm (0.1M NaOH, $\lambda_{max\_1}$ )	556.0nm
	592.0 - 599.0 nm (0.1M NaOH, $\lambda_{max\_2}$ )	595.6nm
Specific Absorption (E1%/1cm)	$\geq 350$ (at $\lambda_{max\_1}$ )	392
	$\geq 320$ (at $\lambda_{max\_2}$ )	350
Loss on Drying	$\leq 5.0\%$	2.72%

Specification Version	v1.0
Manufacture Date	2015-03-03
Re-Test Date	2025-08-04

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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