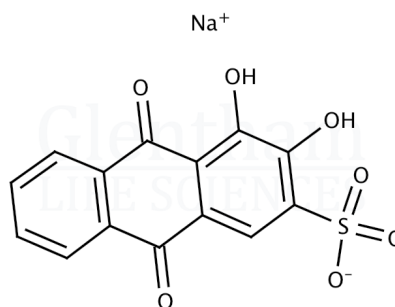


Certificate of Analysis

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, λ_{max_1})	556.0nm
	592.0 - 599.0 nm (0.1M NaOH, λ_{max_2})	595.6nm
Specific Absorption (E1%/1cm)	≥ 350 (at λ_{max_1})	392
	≥ 320 (at λ_{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 or contact us using the details above for the current version of this document.

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