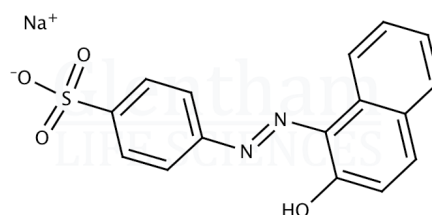


## Certificate of Analysis

Product Name	Orange II sodium salt
Glentham Code	GT2987
CAS Number	633-96-5
EINECS	211-199-0
MDL Number	MFCD00011657
PubChem SID	310278364
Batch Number	197AKI
Molecular Weight	350.32
Molecular Formula	$C_{16}H_{11}N_2NaO_4S$
Storage Temp.	+20°C



Property	Specification	Batch 197AKI
Physical Description	Orange, dark orange or red-brown or dark maroon-brown powder	Conforms
pH Transition Range(s)	7.4 - 8.6 (amber to orange); 10.2 - 11.8 (orange to red)	Conforms
Wavelength of Maximum Absorption ( $\lambda_{max}$ )	482 - 487 nm	485nm
Absorption Ratio ( $\lambda_{max} \pm 15nm$ )	0.8 - 1.2	0.95
Dye Content	$\geq 90\%$	97%

Specification Version	v1.0
Manufacture Date	2015-12-01
Re-Test Date	2028-10-08

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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