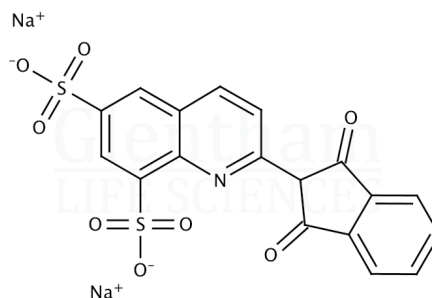


## Certificate of Analysis

Product Name	Quinoline Yellow (mono- and disulfonic acids) (C.I. 47005)
Glentham Code	GL4704
CAS Number	8004-92-0
EINECS	305-897-5
MDL Number	MFCD00080727
Batch Number	109IIL

Molecular Weight	-
Molecular Formula	-
Storage Temp.	+20°C



Property	Specification	Batch 109IIL
Physical Description	Yellow to dark orange powder	Dark orange powder
Solubility (0.1% in water)	Clear to faintly turbid, faint yellow to dark yellow solution	Clear, dark yellow solution
Wavelength of Maximum Absorption ( $\lambda_{max1}$ )	410.0 - 415.0 nm (in water)	410.0 nm
Specific Absorption (E1%/1cm)	$\geq 500$	953.58
Wavelength of Maximum Absorption ( $\lambda_{max2}$ )	285.0 - 290.0 nm (in water)	288.5 nm
Specific Absorption (E1%/1cm)	$\geq 350$	769.73

Specification Version	v1.1
Manufacture Date	2021-01-21
Re-Test Date	2031-01-20

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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