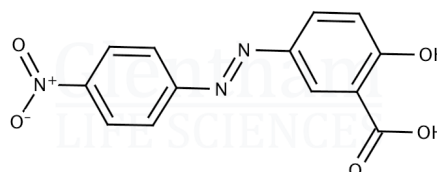


Certificate of Analysis

Product Name Mordant Orange 1
Glentham Code GT7206
CAS Number 2243-76-7
EINECS 218-818-3
MDL Number MFCD00007313
PubChem SID 310277308
Batch Number 677EDN

Molecular Weight 287.23
Molecular Formula $C_{13}H_9N_3O_5$
Storage Temp. +20°C



Property	Specification	Batch 677EDN
Physical Description	Yellow-orange to red, or dark brown powder	Dark brown powder
Solubility (1% in 1M NH4OH)	Clear, red to dark red solution	Dark red solution
pH Transition Range	10.1 - 12.1 (yellow to orange-red)	Conforms
Wavelength of Maximum Absorption (λ_{max})	380.0 - 390.0 nm (5mg/L, methanol)	382.2 - 384.6 nm
Absorbance	≥ 0.325 (5mg/L, methanol, λ_{max})	0.369
Absorptivity	≥ 600 (10g/L, methanol, λ_{max})	737.8
Loss on Drying	$\leq 10.0\%$ (105°C)	4.02%

Specification Version v1.1
Manufacture Date 2019-04-09
Re-Test Date 2029-04-01

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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