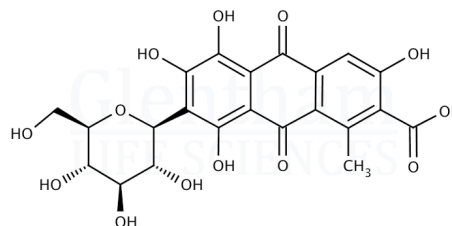


Certificate of Analysis

Product Name Carminic acid
Glentham Code GT8708
CAS Number 1260-17-9
EINECS 215-023-3
Numéro MDL MFCD00167028
PubChem SID 310269390
Batch Number 545TNY

Molecular Weight 492.39
Molecular Formula $C_{22}H_{20}O_{13}$
Storage Temp. +20°C



Property	Specification	Batch 545TNY
Physical Description	Red, dark red to orange or purple-brown crystalline powder	Dark red crystalline powder
Solubility (1% in 1M acetic acid)	Clear to very faintly turbid, red to dark red solution	Clear, dark red solution
Wavelength of Maximum Absorption (λ_{max})	492.0 - 498.0 nm (methanol)	496.0nm
Absorptivity (1%/1cm)	≥ 120 (λ_{max} , methanol)	160
Dye Content	$\geq 90.0\%$	95.3%

Specification Version v1.0
Manufacture Date 2020-12-10
Re-Test Date 2035-01-31

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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