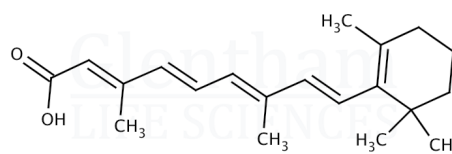


Certificate of Analysis

Product Name	Retinoic acid, USP grade
Glentham Code	GP2891
CAS Number	302-79-4
EINECS	206-129-0
MDL Number	MFCD00001551
Batch Number	792WST
Molecular Weight	300.44
Molecular Formula	C ₂₀ H ₂₈ O ₂
Storage Temp.	-20°C



Property	Specification	Batch 792WST
Physical Description	Yellow to light-orange crystalline powder	Conforms
Identification (IR)	To conform to standard	Conforms
Identification (UV)	$\lambda_{\text{max}} = 352\text{nm}$, calculated absorptivities do not differ by more than 3.0%	Conforms
Residue on Ignition	$\leq 0.1\%$	0.03%
Heavy Metals	$\leq 20\text{ppm}$	Conforms
Isotretinoin	$\leq 5.0\%$	0.1%
Loss on Drying	$\leq 0.5\%$	0.1%
Assay (Titration)	97.0 - 103.0 % (dried basis)	99.8%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version	v1.0
Manufacture Date	2018-05-05
Re-Test Date	2026-05-17

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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