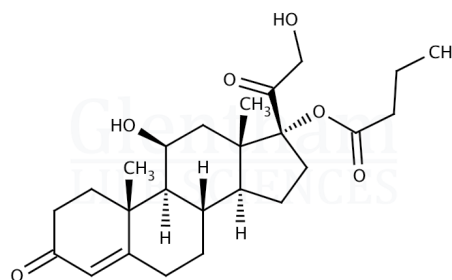


Certificate of Analysis

Product Name	Hydrocortisone butyrate, USP grade
Glentham Code	GP8748
CAS Number	13609-67-1
EINECS	237-093-4
MDL Number	MFCD00083364
Batch Number	988DVK

Molecular Weight	432.55
Molecular Formula	$C_{25}H_{36}O_6$
Storage Temp.	+20°C



Property	Specification	Batch 988DVK
Physical Description	White to almost white powder or crystals	White powder
Identification (IR)	To conform to standard	Conforms
Identification (UV)	To pass test	Conforms
Specific Optical Rotation ($[\alpha]_{20/D}$)	+47.0 - +54.0 ° (c=1, chloroform)	+49.0 °
Loss on Drying	≤ 1.0% (78°C, vac., 3h)	0.72%
Any Individual Impurity	≤ 1.0%	0.26%
Total Impurities	≤ 2.0%	0.26%
Assay	97.0 - 102.0 % (dried basis)	100.3%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version	v1.0
Manufacture Date	2020-12-09
Re-Test Date	2028-10-22

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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