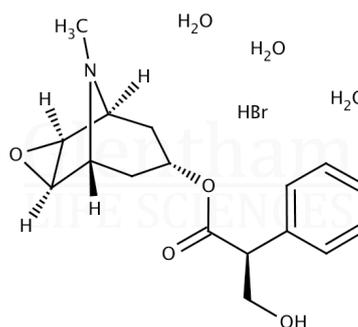


Certificate of Analysis

Product Name	Hyoscyine hydrobromide, BP, Ph. Eur. grade
Glentham Code	GL2191
CAS Number	6533-68-2
MDL Number	MFCD00150066
Batch Number	983NPG
Molecular Weight	438.31
Molecular Formula	$C_{17}H_{21}NO_4 \cdot HBr \cdot 3H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 983NPG
Physical Description	White or almost white crystalline powder, or colourless crystals	White crystalline powder
Specific Optical Rotation	-27.0 - -24.0 ° (c=5, water)	-25.6°
Identification (IR)	To conform to standard	Conforms
Identification	Ppt. melting point test: 188 - 193 °C	191.4°C
Identification	To pass test D	Conforms
Solubility (5% in water)	Clear, colourless solution	Conforms
pH (5% in water)	4.0 - 5.5	4.66
Impurity B (HPLC)	≤ 0.5%	Conforms
Impurities A, C, D (HPLC)	≤ 0.1%	Conforms
Any Other Impurity (HPLC)	≤ 0.1%	Conforms
Total Impurities (HPLC)	≤ 0.7%	Conforms
Sulphated Ash	≤ 0.1%	0.04%
Water	10.0 - 13.0 %	11.1%
Assay	99.0 - 101.0 % (anhydrous substance)	99.96%
Pharmacopoeia Specification(s)	BP, Ph. Eur.	Conforms to BP, Ph. Eur.

Specification Version	v1.0
Manufacture Date	2018-04-26
Re-Test Date	2024-04-26

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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