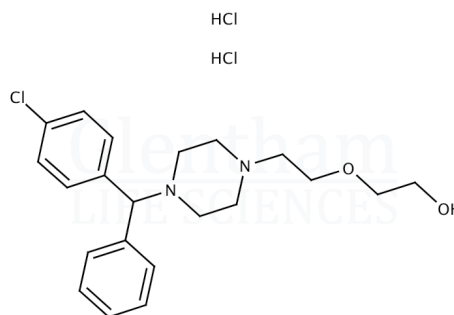


Certificate of Analysis

Product Name	Hydroxyzine dihydrochloride, USP grade
Glentham Code	GK7110
CAS Number	2192-20-3
EINECS	218-586-3
MDL Number	MFCD00058200
Additional CAS	68-88-2 (free base)
Batch Number	215KGI
Molecular Weight	447.83
Molecular Formula	$C_{21}H_{27}ClN_2O_2 \cdot 2HCl$
Storage Temp.	+20°C



Property	Specification	Batch 215KGI
Physical Description	White or almost white powder	White powder
Identification (IR)	To conform to standard	Conforms
Identification (UV)	To pass test	Conforms
Identification	To pass test	Conforms
Residue on Ignition	≤ 0.5%	0.1%
Heavy Metals	≤ 20ppm	Conforms
Any Individual Impurity	≤ 0.3%	0.1%
Total Impurities	≤ 1.5%	0.2%
Loss on Drying	≤ 5.0%	0.5%
Assay (HPLC)	98.0 - 102.0 % (dried basis)	100.0%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version	v1.0
Manufacture Date	2018-12-05
Re-Test Date	2028-10-31

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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