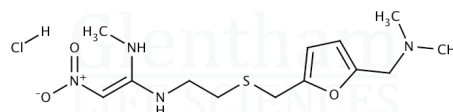


Certificate of Analysis

Product Name Ranitidine hydrochloride, EP grade
Glentham Code GP1121
CAS Number 66357-59-3
EINECS 266-333-0
MDL Number MFCD00069339
Additional CAS 66357-35-5
Additional CAS 71130-06-8
Batch Number 203EKS

Molecular Weight 350.86
Molecular Formula $C_{13}H_{22}N_4O_3S \cdot HCl$
Storage Temp. +20°C



Property	Specification	Batch 203EKS
Physical Description	White or pale yellow crystalline powder	White crystalline powder
Identification	A: IR, B: Reaction of chlorides	Conforms
Solubility (1% in water)	Clear, colourless solution ($\leq$ BY5)	Clear, colourless solution
pH (1% in water)	4.5 - 6.0	5.5
Impurity A	$\leq 0.3\%$ (HPLC)	0.18%
Impurity J	$\leq 0.15\%$ (HPLC)	0.07%
Any Unspecified Impurity	$\leq 0.1\%$ (HPLC)	$\leq 0.1\%$
Total Impurities	$\leq 0.5\%$ (HPLC)	0.25%
Loss on Drying	$\leq 0.75\%$	0.24%
Sulphated Ash	$\leq 0.1\%$	0.04%
Assay (Titration)	98.5 - 101.5 % (dried basis)	100.1%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version v1.1
Manufacture Date 2023-03-01
Re-Test Date 2030-05-26

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025