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## Certificate of Analysis

Product NameCetrimideGlentham CodeGP9031CAS Number1119-97-7EINECS214-291-9MDL NumberMFCD00011770Additional CAS8044-71-1PubChem SID310269561Batch Number062NAKMolecular Weight336.40Molecular Formula $C_{17}H_{38}BN$ Storage Temp.+20°CPropertySpecificationBatch 062NAKPhysical DescriptionWhite, voluminous, free-flowing powderWhite powderSolubilityFreely soluble in water and in alcoholIdentificationConforms to EP, BPAcidity and Alkalinity< 0.1ml (0.1M HCl/NaOH)Amines and amine saltsConforms to EP, BPSulphated Ash< 0.5%Appearance of Solution2% in water: Clear, colourlessLoss on Drying< 2.0%Assay (Titration)96.0 - 101.0 % (as C17H38BrN, dried basis)99.2%Pharmacopoeia Specification(s)EP, BPConforms						
Physical DescriptionWhite, voluminous, free-flowing powderWhite powderSolubilityFreely soluble in water and in alcoholConformsIdentificationConforms to EP, BPConformsAcidity and Alkalinity≤ 0.1ml (0.1M HCl/NaOH)0.06mlAmines and amine saltsConforms to EP, BPConformsSulphated Ash≤ 0.5%0.06%Appearance of Solution2% in water: Clear, colourlessClear, colourlessLoss on Drying≤ 2.0%0.1%Assay (Titration)96.0 - 101.0 % (as C17H38BrN, dried basis)99.2%	Glentham Code CAS Number EINECS MDL Number Additional CAS PubChem SID Batch Number Molecular Weight Molecular Formula	GP9031 1119-97-7 214-291-9 MFCD00011770 8044-71-1 310269561 062NAK 336.40 C <sub>17</sub> H <sub>38</sub> BrN	0	H <sub>3</sub> C H <sub>3</sub> C N <sup>+</sup> CH <sub>3</sub>	~~~~~	
SolubilityFreely soluble in water and in alcoholConformsIdentificationConforms to EP, BPConformsAcidity and Alkalinity< 0.1ml (0.1M HCl/NaOH)	Property		Specification		Batch 062NAK	
IdentificationConforms to EP, BPConformsAcidity and Alkalinity≤ 0.1ml (0.1M HCl/NaOH)0.06mlAmines and amine saltsConforms to EP, BPConformsSulphated Ash≤ 0.5%0.06%Appearance of Solution2% in water: Clear, colourlessClear, colourlessLoss on Drying≤ 2.0%0.1%Assay (Titration)96.0 - 101.0 % (as C17H38BrN, dried basis)99.2%	Physical Description		White, voluminous, free-flo	wing powder	White powder	
Acidity and Alkalinity≤ 0.1ml (0.1M HCl/NaOH)0.06mlAmines and amine saltsConforms to EP, BPConformsSulphated Ash≤ 0.5%0.06%Appearance of Solution2% in water: Clear, colourlessClear, colourlessLoss on Drying≤ 2.0%0.1%Assay (Titration)96.0 - 101.0 % (as C17H38BrN, dried basis)99.2%	Solubility		Freely soluble in water and	d in alcohol	Conforms	
Amines and amine saltsConforms to EP, BPConformsSulphated Ash≤ 0.5%0.06%Appearance of Solution2% in water: Clear, colourlessClear, colourlessLoss on Drying≤ 2.0%0.1%Assay (Titration)96.0 - 101.0 % (as C17H38BrN, dried basis)99.2%	Identification		Conforms to EP, BP		Conforms	
Sulphated Ash≤ 0.5%0.06%Appearance of Solution2% in water: Clear, colourlessClear, colourlessLoss on Drying≤ 2.0%0.1%Assay (Titration)96.0 - 101.0% (as C17H38BrN, dried basis)99.2%	Acidity and Alkalinity		≤ 0.1ml (0.1M HCl/NaOH)		0.06ml	
Appearance of Solution2% in water: Clear, colourlessClear, colourlessLoss on Drying≤ 2.0%0.1%Assay (Titration)96.0 - 101.0 % (as C17H38BrN, dried basis)99.2%	Amines and amine salts		Conforms to EP, BP		Conforms	
Loss on Drying ≤ 2.0% 0.1%   Assay (Titration) 96.0 - 101.0 % (as C17H38BrN, dried basis) 99.2%	Sulphated Ash		≤ 0.5%		0.06%	
Assay (Titration) 96.0 - 101.0 % (as C17H38BrN, dried basis) 99.2%	Appearance of Solution		2% in water: Clear, colour	ess	Clear, colourless	
	Loss on Drying		≤ 2.0%		0.1%	
Pharmacopoeia Specification(s) EP, BP Conforms	Assay (Titration)		96.0 - 101.0 % (as C17H3	8BrN, dried basis)	99.2%	
	Pharmacopoeia Specificat	tion(s)	EP, BP		Conforms	

Specification Version	v1.0
Manufacture Date	2021-09-27
Re-Test Date	2031-04-17

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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