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Certificate of Analysis

Catalogue Number	37828
Product	Dexmedetomidine hydrochloride
Lot Number	003490-20221001 (+)-Medetomidine hydrochloride (S)-4-[1-(2,3-Dimethylphenyl)ethyl]-1H-imidazole hydrochloride
CAS Number	145108-58-3
Molecular Formula	C ₁₃ H ₁₆ N ₂ •HCl
Molecular Weight	236.74

Appearance	White powder
Optical Rotation	[α] _D ²⁰ : 49 ° (C=1 in water)
Loss on Drying	0.2%
Residual Solvents	Methanol : 0.003% Ethanol : 0.001% Dichloromethane : Not detected THF : Not detected Ethyl acetate : 0.07% MTBE : Not detected
Related Substances	Max single impurity : 0.07%
Residue On Ignition	0.02%
Chiral HPLC	99.97% (ee)
Other Enantiomer	0.03%
Purity by HPLC	99.91%
Grade	Meets USP Specifications
Storage	Store at 0 - 8 °C

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Lot Number: 003490-20221001

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager