



Certificate of Analysis

Hexetidine, mixture of stereoisomers

Catalog Number: HT1001
Lot Number: 0623402r2
CAS Number: 141-94-6
Molecular Formula: C₂₁H₄₅N₃
Molecular Weight: 339.61
Storage: 15°C – 30°C
Date of Manufacture: November 16, 2011
Retest Date: November 15, 2017

Test	Specification	Result
Appearance	Clear, oily liquid	Conforms
Assay (Perchloric Titration)	98.0% – 102.0%	99.9%
Identification (FTIR)	To match standard	Conforms
Optical Rotation	-0.10° - +0.10°	0.00°
Relative Density	0.864 – 0.870	0.867
Refractive Index	1.461 – 1.467	1.464
Color	< Y5 or YG5	< YG5
Absorbance	≤ 0.07	0.02
Related Substances	Conforms	Conforms
Heavy Metals	≤ 10 ppm	0 ppm
Sulfuric Ashes	≤ 0.1% (m/m)	0.0% (m/m)
Residual Hexanes	≤ 1,000 ppm	342 ppm
Triamine Content	≤ 0.2%	0.0%
Hexedine Content	≤ 0.2%	0.0%
Dehydrohexetidine Content	≤ 1.5%	0.0%
Individual Impurities	≤ 0.10%	Conforms
Total Impurities	≤ 2.0%	0.1%

Approved by:

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Date: August 16, 2016