



## Specification

### Hexetidine, mixture of stereoisomers

**Catalog Number:** HT1001  
**CAS Number:** 141-94-6  
**Molecular Formula:** C<sub>21</sub>H<sub>45</sub>N<sub>3</sub>  
**Molecular Weight:** 339.61  
**Storage:** 15°C – 30°C  
**Retest Date:** Six years after date of manufacture.

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

Approved by:

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