

Product Specification

CONTROLLED SUBSTANCE

PRODUCT Ketamine Hydrochloride EP/BP

CAS no. [1867-66-9]

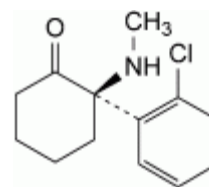
C₁₄H₁₀O₃

NARCOTIC

Sch. 4 Pt. 1 Cl. C

CHARACTERISTICS

White or almost white, crystalline powder.
Freely soluble in water and in methanol, soluble in ethanol (96 per cent).
MP: about 260 °C, with decomposition.



and enantiomer , HCl

| TEST | SPECIFICATION |
|---------------------------|--|
| Content | 99.0% - 101.0% of (dried basis) |
| Identification | Complies with EP/BP tests |
| Related substances | Impurity A* Maximum 0.2% Impurity B* Maximum 0.2% Impurity C* Maximum 0.2% Unspecified impurities Maximum 0.1% Total impurities Maximum 0.5% |
| Appearance of solution | Solution S is clear and colourless |
| pH | 3.5 to 4.1 |
| Specific optical rotation | -0.2° to +0.2° |
| Heavy metals | Maximum 20ppm |
| Loss on drying | Maximum 0.5% |
| Sulphated ash | Maximum 0.1% |

Imp. A* 1-(2-chloro-N-methylbenzimidoyl)cyclopentanol
 Imp. B* (2RS)-2-(2-chlorophenyl)-2-hydroxycyclohexanone
 Imp. C* (2-chlorophenyl)(1-hydroxycyclopentyl)methanone

STORAGE Should be stored in an airtight container in a cool, dry place and protected from light.

PRODUCT NAMED ABOVE COMPLIES WITH THE SPECIFICATION OF THE EP/BP.

NARCOTIC LICENSE NEEDED FOR THIS MATERIAL.

