

# SALES SPECIFICATION

## Ketamine Hydrochloride BP

SL. NO	TEST	RESULTS	REQUIRED AS PER BP
1	Appearance	White crystalline powder	White or almost White crystalline powder
2	Solubility	Complies the test	Freely soluble in Water and menthol Soluble in ethanol(96%)
3	Melting point	Complies the test	About -260°C With Decomposition.
4	Identification a) Optical Rotation b) IR Spectrum c) Reaction of Chloride	+0.10° Complies the test Complies the test	Between -0.2 and +0.2° IR Spectrum is concordant with that of working Standard . it gives reaction of Chloride
5	Appearance of 20% w/v solution in water	Complies the test	Solution is clear an colorless
6	pH(10% w/v solution in water )	3.79	Between 3.5 and 4.1
7	Optical Rotation ( 2%w/v solution in Water)	+0.10°	Between -2° and + 0.2°
8	Related substance (By HPLC) Impurities A, B,C Unspecified Impurity Total Impurity	Not Detected Not Detected Not Detected	Each Impurity is NMT 0.2%w/w NMT 0.10 w/w NMT 0.50 w/w  NMT 20PPm
9	Heavy Metals	Complies the test	
10	Loss on Drying	0.156%w/w	NMT 0.5%w/w
11	Sulphated ash	0.0199%w/w	NMT 0.1%w/w
12	Assay C <sub>13</sub> H <sub>16</sub> ClNO.HCL (On dried basis)	100.376%w/w	Between 99%w/w and 101%w/w



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