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TYPICAL ANALYSIS / SPECIFICATION

PRODUCT : PHENYLEPHRINE HCL
SHELF LIFE : FIVE YEARS SUBJECT TO CORRECT STORAGE

Parameters	Results of analysis	Specifications
Appearance	White crystalline powder, freely	A white or almost white crystalline soluble in water and in alcohol powder freely soluble in water and in alcohol
Melting range	142 ⁰ to 144 ⁰ C	About 143 ⁰ C
Identification		
A. Specific optical rotation	Complies	To comply
B. Infrared absorbtion spectrum	Complies	To be concordant with reference standard spectrum
C. Chloride test	Complies	To be positive
Appearance of solution	Clear and colourless	Clear and colourless
Acidity or alkalinity	0.20ml of 0.01 M HCl	NMT 0.2ml of 0.01M NaOH or NMT 0.4ml of 0.01M HCl
Specific optical rotation (on dried basis)	-45.02 ⁰	Bet -43 ⁰ to -47 ⁰
Related substances (by TLC)	Complies	To comply
Ketones (by UV at 310nm)	0.016	NMT 0.2
Sulphates	<500ppm	NMT 500ppm
Loss on drying	0.29%	NMT 1.0%
Sulphated ash	0.070%	NMT 0.1%
Assay (on dried basis)	99.60%	Bet NLT 98.5% and NMT 101.0%

Opinion: material meets the requirements of BP/PhEur/USP