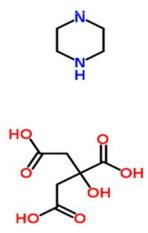




G. AMPHRAY LABORATORIES

Piperazine Citrate BP/EP/USP/IP		Product Data Sheet	
CAS No. 144-29-6 (, C ₄ H ₁₀ N ₂) ₃ .2C ₆ H ₈ O ₇ .xH ₂ O		Molecular Weight : 643	
INFORMATION OF THE PRODUCT			
Sr.No.	Information		
1	Name of the Product	:	Piperazine Citrate BP/EP/USP/IP
2	Structure	:	
3	Composition	:	It is composition of Piperazine salt and citric acid
4	Chemical Name (IUPAC)	:	Piperazine Citrate
5	Properties	:	Anthelmintic
6	Specification		<p>Appearance (As per Ph. Eur./IP /USP) A white or almost white granular or crystalline powder. It melts about 190 ° C</p> <p>Solubility (As per Ph. Eur./USP/IP) Freely soluble in water,</p> <p>Identification</p> <p>A) IR As per Ph. Eur./USP/IP) IR spectrum of sample is concordant with that of the reference standard</p> <p>b) TLC (As per Ph. Eur./USP/IP) The R_f value of the principal spot obtained from the test solution correspond to that obtained from the standard solution</p> <p>C) Citrate test (As per Ph. Eur./USP/IP) The solution gives reaction of citrates.</p> <p>Appearance of solution (As per Ph. Eur. / IP) The solution is clear and colourless</p> <p>Related Substances (As per Ph. Eur. /IP), Chromatographic purity (As per USP) Ethylene diamine : NMT- 0.25 %. Triethylene diamine : NMT- 0.25 %.</p> <p>Heavy Metal (As per Ph. Eur. /IP) NMT 20 ppm</p> <p>Water (As per Ph. Eur. /IP) NLT 10.0 % to NMT 14.0 %</p> <p>Water (As per USP) NMT 12.0 %</p> <p>Sulfated Ash (As per Ph. Eur. /IP) NMT 0.1 %</p> <p>pH (As per IP) 5.0 to 6.0</p>

