



G. AMPHRAY LABORATORIES

Piperazine Phosphate BP/EP/USP/IP		Product Data Sheet	
CAS No. 110-85-0		Molecular Weight : 202.1	
C ₄ H ₁₀ N ₂ , H ₃ PO ₄ , H ₂ O			
INFORMATION OF THE PRODUCT			
Sr.No.	Information		
1	Name of the Product	:	Piperazine Phosphate BP/EP/USP/IP
2	Structure	:	
3	Composition	:	It is composition of Piperazine salt and phosphate
4	Chemical Name (IUPAC)	:	Piperazine Phosphate
5	Properties	:	Anthelmintic
6	Specification	:	<p>Appearance (As per Ph. Eur./IP /USP) A white crystalline powder.</p> <p>Solubility (As per Ph. Eur./USP/IP) Sparingly soluble in water.</p> <p>Identification</p> <p>A) Test (As per Ph. Eur./IP) A reddish color is produced slowly.</p> <p>B) Melting point (As per Ph. Eur. /IP) It melts about 159° C.</p> <p>C) Phosphate (As per Ph. Eur. /IP) It gives reaction of phosphate.</p> <p>D) IR (As per USP) IR spectrum of sample is concordant with that of the reference standard</p> <p>E) TLC (As per USP) The R_f value of the principal spot obtained from the test solution correspond to that obtained from the standard solution.</p> <p>pH (As per IP) 6.0 to 6.5</p> <p>Heavy Metal (As per Ph. Eur. /IP) NMT 20 ppm</p> <p>Water (As per Ph. Eur. /IP/USP) NLT 8.0 % to NMT 9.5 %</p> <p>Chromatographic purity (As per USP) Ethylene diamine : NMT- 0.25 %. Triethylene diamine : NMT- 0.25 %.</p>



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Sr.No.	Information	
		<p>Assay</p> <p>Assay by titration (As per Ph.Eur./ IP/USP) 98.5 % to 100.5% calculated on the anhydrous basis</p> <p>Additional tests (In-house)</p> <p>Particle size ~ 100 % passing through 16 mesh mesh</p> <p>Bulk density ~ 0.67 g/ml (Approx.)</p>
7	Uses	: It is used to effectively eliminate threadworms (pinworms) and roundworms from the bowel of children, it is also used for dogs and cats for the same. Ref .Wikipedia
8	Packing	: 25 Kg. or 40 Kg. or 50 Kg. Fibre Drums with inner liner 25 Kg. or 50 Kg. Plastic Drums with inner liner
9	Shelf life	: Expiry Date: Five years from Date of manufacturing.
10	Storage	: Store in closed container in cool, dry place & protect from light, heat dust & other contaminants.