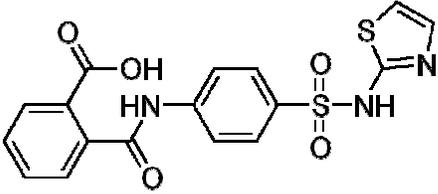




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Phthalylsulfathiazole BP/EP		Product Data Sheet																																			
CAS No. 85-73-4 $C_{17}H_{13}N_3O_5S_2$		Molecular Weight : 403.4																																			
INFORMATION OF THE PRODUCT																																					
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1	Name of the Product	:	Phthalylsulfathiazole BP/EP																																		
2	Structure	:																																			
3	Composition	:	It is belong to group of sulfonamides																																		
4	Chemical Name (IUPAC)	:	2[[4-(Thiazol-2-ylsulfamoyl)phenyl]carbamoyl]benzoic acid																																		
5	Properties	:	Antibacterial																																		
6	Specification	:	<table><tr><td>Appearance</td><td>White or yellowish white crystalline powder.</td></tr><tr><td>Solubility</td><td>Freely soluble in Dimethylformamide, slightly soluble in acetone and in Ethanol (96%).</td></tr><tr><td>Identification</td><td></td></tr><tr><td>A) IR</td><td>Infrared absorption : IR spectrum of sample is concordant with that of the reference standard</td></tr><tr><td>B) Melting point</td><td>The melting point of crystals after drying at 100°C to 105°C Between 200° C to 203° C</td></tr><tr><td>C) Aromatic amines</td><td>A reaction of primary aromatic amines with formation of an orange precipitate.</td></tr><tr><td>Appearance of solution</td><td>The solution is clear and colourless</td></tr><tr><td>Acidity</td><td>Not more than 0.2 ml of 0.1 M NaOH.</td></tr><tr><td>Sulfathiazole & other primary aromatic amines</td><td>Maximum 2.0 %</td></tr><tr><td>Heavy Metals</td><td>Maximum 20 ppm</td></tr><tr><td>Loss on drying</td><td>Maximum 2.0 %</td></tr><tr><td>Sulfated Ash</td><td>Maximum 0.1 %</td></tr><tr><td>Assay</td><td></td></tr><tr><td>Assay by titrimetric</td><td>NLT 98.5 % - NMT 101.5 % on dried basis</td></tr><tr><td>Additional tests (In-house)</td><td></td></tr><tr><td>Particle size</td><td>~ 100 % passing through 20 mesh</td></tr><tr><td>Bulk density</td><td>~ 0.76 g/ml (Approx.)</td></tr></table>	Appearance	White or yellowish white crystalline powder.	Solubility	Freely soluble in Dimethylformamide, slightly soluble in acetone and in Ethanol (96%).	Identification		A) IR	Infrared absorption : IR spectrum of sample is concordant with that of the reference standard	B) Melting point	The melting point of crystals after drying at 100°C to 105°C Between 200° C to 203° C	C) Aromatic amines	A reaction of primary aromatic amines with formation of an orange precipitate.	Appearance of solution	The solution is clear and colourless	Acidity	Not more than 0.2 ml of 0.1 M NaOH.	Sulfathiazole & other primary aromatic amines	Maximum 2.0 %	Heavy Metals	Maximum 20 ppm	Loss on drying	Maximum 2.0 %	Sulfated Ash	Maximum 0.1 %	Assay		Assay by titrimetric	NLT 98.5 % - NMT 101.5 % on dried basis	Additional tests (In-house)		Particle size	~ 100 % passing through 20 mesh	Bulk density	~ 0.76 g/ml (Approx.)
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Sr.No.	Information	
7	Uses	: It is used in the treatment of dysentery, colitis, gastroenteritis and intestinal surgery. Ref : Wikipedia
8	Packing	: 25 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.