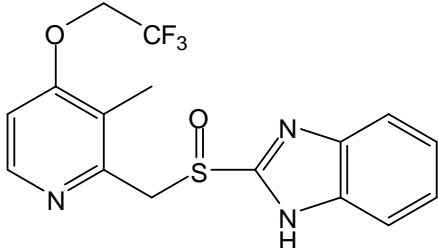


# SPECIFICATIONS

<b>Product Name</b>	<p><b>Lansoprazole</b></p> 		
CAS No.	103577-45-3		
Molecular Formula	$C_{16}H_{14}F_3N_3O_2S$	Molecular Weight	369.36
<b>No.</b>	<b>Items</b>	<b>Specifications</b>	
1	Description	White to brownish – white powder Freely soluble in dimethylformamide, practically insoluble in water	
2	Identification 1) FT-IR 2) UV	Both spectra exhibit similar intensities of absorption at the same wave number Both spectra exhibit similar intensities of absorption at the same wave lengths	
3	Water	Not more than 0.1 %	
4	Residue on ignition	Not more than 0.1 %	
5	Chromatographic purity 1) Lansoprazole sulfone 2) Lansoprazole N-oxide 3) Lansoprazole sulfide 4) Other individual impurity 5) Total impurities	Not more than 0.3 % Not more than 0.1 % Not more than 0.1 % Not more than 0.1 % Not more than 0.6 %	
6	Assay	98.0 ~ 102.0 % of Lansoprazole ( $C_{16}H_{14}F_3N_3O_2S$ ), as is basis	
7	Residual solvents 1) Methanol 2) Ethanol 3) Acetone	Not more than 3,000 ppm Not more than 5,000 ppm Not more than 5,000 ppm	
8	Particle size	90 % of material below 7.0 um	
<p>* Test items are tested according to USP except In-house specification * In house specification : Particle size</p>			