

## PRODUCT SPECIFICATION

INCI/Botanical Name	<b>THIOLCHICOSIDE</b>	Date of Expiry	03 Years
Product Name	Muscoril	Extraction Solvent	---
Report No	T/LBS/7000-P/23	Extraction Ratio	---
Parts of Plant	Flower	Origin	India
Cas No	602-41-5	HSN Code	29397900
TEST	SPECIFICATION	METHOD	
<b>A. Physical Parameters:</b>			
Description	Crystalline powder	Visual	
Color	Yellow color	Visual	
Solubility	Soluble in water, very slightly soluble in ethanol (95%)	Visual	
Identification	The IR adsorption spectrum of the preparation of the test specimen and working standard, exhibits maxima only at the same wavelength .	Infrared Spectroscopy	
pH ( 0.5% solution in water )	Between 6.0 and 7.5	USP 791	
Specific optical rotation (0.5% w/v solution at 23 <sup>o</sup> C in water )	(-) 550 <sup>o</sup> to (-) 580 <sup>o</sup> calculated on dried substance.	Indian Pharmacopoeia	
<b>Related substance</b>			
N- Deacetyl-n-Formyl Thicolchicoside	NMT 0.5%	Indian Pharmacopoeia	
Colchicoside	NMT 0.5%		
Total Unknown Impurities	NMT 0.5%		
Loss on Drying (At 105 <sup>o</sup> C for 3 hours)	NMT 4.0%	USP 713	
<b>B. Active Ingredients:</b>			
Thiocolchicoside	Between 98.0% and 102% calculated on dried substance.	Indian Pharmacopoeia	
<b>C. Heavy Metals:</b>			
Lead (PB)	NMT 3.0 ppm	ICP-MS	
Arsenic (AS)	NMT 1.0 ppm	ICP-MS	
Cadmium (CD)	NMT 1.0 ppm	ICP-MS	
Mercury (HG)	NMT 0.1 ppm	ICP-MS	
<b>D. Microbiological Test:</b>			
Total Plate Count	NMT 100cfu/g	USP 2021	
Total Yeast & Mold Count	NMT 10 cfu/g	USP 2021	
Escherichia coli	Absent	USP 2022	
Salmonella	Absent	USP 2022	
Pseudomonas aeruginosa	Absent	USP 2022	
Staphylococcus aureus	Absent	USP 2022	
<b>E. Mycotoxin:</b>			
Aflatoxin (B1+B2+G1+G2)	---	USP 561	
Residual Pesticides	---	USP 561	
<b>F. Other:</b>			
Standard Packing: 25 Kg in single HDPE Container.			
The material is free from Allergens / GMO / BSE - TSE.			
The material is not tested on animals.			
The material is non-irradiated & not treated with ETO.			
The above material complies with in-house specifications.			
Store in a cool and dry place away from sunlight and heat. The preferred storage is below 30 ° C.			
The Product Is of Herbal Origin. There May Be Minor Color Difference Due to Geographical and Seasonal Variation of the Plant Material.			

**Note: This Is Computer Generated Specification & Does Not Require A Physical Signature.**

