

PRODUCT SPECIFICATION

INCI/Botanical Name	TAMARINDUS INDICA	Date of Expiry	03 Years
Product Name	Tamarind Extract	Extraction Type	Solvent Extraction
Report No	TI/BMI/ 1296-00/23	Extraction Ratio	5:1
Parts of Plant	Fruit	Origin	India
Cas No	84961-62-6	HSN Code	13021919
TEST	SPECIFICATION	METHOD	
A. Physical Parameters:			
Appearance	Water-soluble mass	Visual	
Color	Brown color	Visual	
Odour	Characteristic	Organoleptic	
Taste	Characteristic	Organoleptic	
Identification	To comply by standard	TM / 1296	
Solubility In Water	Soluble in water	USP 561	
Loss on Drying (At 1050C)	NMT 5.0% w/w	USP 731	
Particle Size (40 mesh)	100.0% w/w	USP 786	
Ash Content	NMT 5.0% w/w	USP 281	
Tapped Bulk Density	Between 0.4 to 0.80 g/ml	USP 616	
Untapped Bulk Density	Between 0.30 to 0.60 g/ml	USP 616	
B. Active Ingredients:			
Polyphenols By UV	NLT 20.0% w/w	TM / 1296	
C. Heavy Metals:			
Lead (PB)	NMT 3.0 ppm	USP 233	
Arsenic (AS)	NMT 1.0 ppm	USP 233	
Cadmium (CD)	NMT 0.5 ppm	USP 233	
Mercury (HG)	NMT 0.1 ppm	USP 233	
D. Microbiological Test:			
Total Plate Count	NMT 3000 cfu/g	USP 2021	
Total Yeast & Mold Count	NMT 100 cfu/g	USP 2021	
Escherichia coli	Absent / 10 g	USP 2022	
Salmonella	Absent / 10 g	USP 2022	
Coliforms	Absent / 10 g	USP 2021	
Staphylococcus Aureus	Absent / 10 g	USP 2022	
Pseudomonas Aeruginosa	Absent / 10 g	USP 62	
E. Mycotoxin:			
Aflatoxin (B1+B2+G1+G2)	---	USP 561	
Residual Pesticides	---	USP 561	
F. Other:			
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 free from residual pesticide & solvent.			
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.