

## PRODUCT SPECIFICATION

INCI/Botanical Name	<i>TERMINALIA CHEBULA</i>	Date of Expiry	03 Years
Product Name	Harda Extract	Extraction solvent	Methanol
Report No.	TC/OHZ/TC-22-02/23	Extraction Ratio	4:1
Parts of Plant	Fruit	Origin	India
Cas No	84650-60-2	HSN Code	13021919
TEST	SPECIFICATION	METHOD	
<b>A. Physical Parameters:</b>			
Appearance	Fine powder	Visual	
Color	Dark to light brown color	Visual	
Odour	Characteristic	Organoleptic	
Taste	Characteristic	Organoleptic	
Identification	Complies	TLC	
Loss on Drying (At 105°C)	NMT 8.0% w/w	IP-2010	
Particle Size (40 mesh)	NLT 95.0% w/w	IP-2010	
pH (1% Aqu. Sol <sup>n</sup> )	Between 3.0 - 6.0	IP-2010	
Water Solubility	NLT 70% w/v	IP-2010	
Alcohol Solubility	NLT 60% w/v	IP-2010	
Tapped Density	NLT 0.350 gm/ml	USP 616	
Untapped Density	NLT 0.250 gm/ml	USP 616	
<b>B. Active Ingredients:</b>			
Tannins	NLT 40.0% w/w	Titration	
<b>C. Heavy Metals:</b>			
Lead (PB)	NMT 2.0 ppm	ICPMS-AAS	
Arsenic (AS)	NMT 3.0 ppm	ICPMS-AAS	
Cadmium (CD)	NMT 0.3 ppm	ICPMS-AAS	
Mercury (HG)	NMT 0.1 ppm	ICPMS-AAS	
<b>D. Microbiological Test:</b>			
Total Plate Count	NMT 1000 cfu/gm	USP 2021	
Total Yeast & Mold Count	NMT 100 cfu/gm	USP 2021	
Escherichia coli	Absent	USP 2022	
Salmonella Spp	Absent	USP 2022	
Pseudomonas Aeruginosa	Absent	USP 2022	
Staphylococcus Aureus	Absent	USP 2022	
<b>E. Mycotoxin:</b>			
Aflatoxins (B1+B2+G1+G2)	---	USP 561	
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.**

