



## SPECIFICATION

Product name: Mulberry Leaf Extract			
Botanical Name	Morus alba	Botanical Part	Leaf
Growing conditions	Cultivated	Collection period	April to November
Origin of the drug	China		
Extract Ratio	14:1	Sterilization Method	High-temperature sterilization
Solvent Used	Water/Ethanol(20:1)	CAS number	94167-05-2
Content	Mulberry Leaf Extract standardized to $\geq 5\%$ DNJ. No additives		

Item	Standard	Analysis Method
Assay	$\geq 5.0\%$ DNJ	HPLC
Typical Analysis		
Appearance	Brown Powder	Visual
Odor & Taste	Characteristic	Organoleptic
Particle Size	NLT 95% through 80 mesh	80 Sieve
Loss on drying	$\leq 5.0\%$	GB 5009.3
Ash	$\leq 5.0\%$	GB 5009.4
Sum of PAHs: benzo(a)pyrene, benz(a)anthracene, benzo(b) fluoranthene and chrysene	$\leq 50\mu\text{g}/\text{kg}$	Reg. ( UE) 915/2023
Benzo(a) pyrene	$\leq 10\mu\text{g}/\text{kg}$	Reg. ( UE) 915/2023
Heavy metals		
Heavy metals	$\leq 10\text{ppm}$	Atomic Absorption
Lead (Pb)	$\leq 3.0\text{ppm}$	Atomic Absorption
Arsenic (As)	$\leq 1.0\text{ppm}$	Atomic Absorption
Cadmium (Cd)	$\leq 1.0\text{ppm}$	Atomic Absorption
Mercury (Hg)	$\leq 0.1\text{ppm}$	Atomic Absorption
Microorganism		
Total Bacterial Count	$<1000\text{cfu}/\text{g}$	GB4789.2
Total Molds Count	$<100\text{cfu}/\text{g}$	GB4789.15
Staphylococcus aureus	Absent/1 g	GB4789.10
Salmonella	Absent/25g	GB4789.4
E.Coli	Absent/1 g	GB4789.3



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Item	Standard	Analysis Method
Aflatoxin ( $\Sigma$ B1, B2, G1, G2)	< 4ppb	EP 2.8.18
Aflatoxin B1	< 2ppb	EP 2.8.18
Shelf life	3 Years under recommended storage conditions.	
Storage	Store in well-closed container at 20 -25 °C, protect from light, moisture and pest infestation.	
Package	N.W. 25Kgs/drum.The material used for the packaging complies with the Reg.(EU) 1935/2004 for use on food	
LATEX FREE	The product does not contain latex or latex-derived ingredient	
NANOMATERIAL FREE	The product does not contain nanomaterials in accordance with Regulation (EU) 1169/2011	