

CERTIFICATE OF ANALYSIS

Mucuna pruriens Extract 60% L-Levodopa(HPLC)

Batch No.: CLID-C-A331664 Manufacture Date: 20230401 Expiry Date: 20260331

General Information			
Part Used	Seed	Solvents Used	Water&Ethanol
Botanical Source	<i>Mucuna pruriens (L.) DC.</i>	Country Of Origin	China
ITEMS	SPECIFICATION	METHOD	TEST RESULTS
Physical&Chemical Data			
Color	Gray white	Organoleptic	Conform
Odour	Characteristic	Organoleptic	Conform
Appearance	Fine Powder	Organoleptic	Conform
Analytical Quality			
Identification	Identical to R.S. sample	HPTLC	Identical
L-Levodopa	≥60.0%	HPLC	62.12%
Sieve analysis	100 % through 80 mesh	Eur.Ph. <2.9.12>	Conform
Loss on Drying	≤5.0 %	Eur.Ph. <2.8.17>	2.50 %
Total Ash	≤10.0 %	Eur.Ph. <2.4.16>	0.03 %
Bulk density	40~60 g/100mL	Eur.Ph. <2.9.34>	56 g/100mL
Tap density	60~90g/100mL	Eur.Ph. <2.9.34>	81 g/100mL
Contaminants			
Lead (Pb)	≤3.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.1021 mg/kg
Arsenic (As)	≤2.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0133 mg/kg
Cadmium (Cd)	≤1.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0109 mg/kg
Mercury (Hg)	≤0.1 mg/kg	Eur.Ph. <2.2.58>ICP-MS	<0.01 mg/kg
Solvents Residue	Meet Eur.Ph. <2.4.24>	Eur.Ph. <2.4.24>	Conform
Pesticides Residue	Meet Eur.Ph. <2.8.13>	Eur.Ph. <2.8.13>	Conform
Microbiological			
Total Plate Count	≤10000 cfu/g	Eur.Ph. <2.6.12>	10 cfu/g
Yeast &Mold	≤1000 cfu/g	Eur.Ph. <2.6.12>	10 cfu/g
E.Coli.	Negative	Eur.Ph. <2.6.13>	Conform
Salmonella	Negative	Eur.Ph. <2.6.13>	Conform
General Status			
Non-Irradiation	≤700	EN <13751:2002>	62
Packing&Storage			
Packed in paper-drums and two plastic-bags inside; N.W:25kgs, I.D.35×H51cm;			
Store in a well-closed container Away from moisture,light, oxygen.			
Shelf life			
36 months under the conditions above and in its original packaging.			

The Quality Standards Of The Product

Mucuna pruriens Extract 60% L-Levodopa(HPLC)

No: 6020096004

Version: 02

Revision: 00

Used Part: Seed

Solvents Used: Water & Ethanol

 Botanical Source: *Mucuna pruriens (L.) DC.*

Country Of Origin: China

ANALYSIS ITEM	SPECIFICATION	METHOD	
Assay:			
L-Levodopa	≥60.0%	HPLC	
Appearance	Fine Powder	Organoleptic	
Color	Gray white	Organoleptic	
Odor & taste	Characteristic	Organoleptic	
Identification	Identical to R.S. sample	HPTLC	
Loss on Drying	≤5.0%	Eur.Ph. <2.8.17>	
Total ash	≤10.0%	Eur.Ph. <2.4.16>	
Sieve analysis	100% through 80 mesh	Eur.Ph. <2.9.12>	
Bulk density	40~60g/100mL	Eur.Ph. <2.9.34>	
Tapped density	60~90g/100mL	Eur.Ph. <2.9.34>	
Heavy metals:			
Lead(Pb)	≤3.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	
Arsenic(As)	≤2.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	
Cadmium(Cd)	≤1.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	
Mercury(Hg)	≤0.1 mg/kg	Eur.Ph. <2.2.58>ICP-MS	
Residual solvents	Meet Eur.Ph. <2.4.24>	Eur.Ph. <2.4.24>	
Residual pesticides	Meet Eur.Ph. <2.8.13>	Eur.Ph. <2.8.13>	
Non irradiated	≤700	EN <13751:2002>	
Microbiology	Irradiation	Non irradiated	
Total Plate Count	≤1000cfu/g	≤10000cfu/g	Eur.Ph. <2.6.12>
Yeast & Mold	≤100cfu/g	≤1000cfu/g	Eur.Ph. <2.6.12>
E.Coli	Negative	Negative	Eur.Ph. <2.6.13>
Salmonella	Negative	Negative	Eur.Ph. <2.6.13>
Packing&Storage:	Packed in paper-drums and two plastic-bags inside; N.W:25kgs, I.D.35×H51cm; Store in a well-closed container Away from moisture,light, oxygen.		
Shelf life:	36 months under the conditions above and in its original packaging.		