श्री गोगुन्दा गणपति नमः

VITAL EXTRACTSS

Suppliers of : Cold Pressed Oils | Essential Oils | Herbal Extracts (WS & OS) .

ANALYSIS REPORT OF : Murraya koenigii / Bergera koenigii Leaf Extract.
(CURRY LEAF / MITHANEEM)

PART USED	**LEAF**	**HERB RATIO**	**8:1**
BATCH NO.	**MNE 01/ AUG 26**	**MFG DATE**	**AUG 26**
BEST BEFORE	**3 YEARS FROM DATE OF MFG.**		
EXTRACTED BY	**WATER**		

DETAILS OF ANALYSIS

Tests	Limits	Protocol	Result
Description	Light Brown powder	Visual	**Light Brown powder**
Organoleptic test	Characteristic	Organoleptic	**Characteristic**
Identifications	By TLC	Ayurvedic Pharmacopea	**Complies**
Physico-chemical analysis			
Loss on drying (% w/w)	< 8.0	As per USP <921> Method III	**4.17**
Ash content (% w/w)	< 12.0	As per USP <561> Vegetable Drugs	**3.4**
Acid insoluble Ash (% w/w)	< 3.0		**0.44**
pH of 5% w/v solution	4.0 – 6.5	As per USP <791>	**Complies**
Solubilities (% w/w)			
In water	> 70.0	By USP METHOD	**80 %**
In methanol			
In 50% v/v methanol			
Particle Size			
Bulk Density (g/cc)	0.3 – 0.8	As per USP <616> Method - I	**0.52**
Trapped bulk density (g/cc)	0.4 – 1.0		**0.63**
Material passing through 40# BS/35 ASTM (% w/w)	> 99.0	As per USP <786> Particle Size description	**PASSES**
Heavy metal analysis			
Lead	< 10 ppm	AAS / ICP-ES	**< 2 PPM**
Cadmium	< 1 ppm		**< 0.1 PPM**
Arsenic	< 1 ppm		**< 0.2 PPM**
Mercury	< 1 ppm		**< 0.1 PPM**
Microbiological analysis as per FIP Guidelines			
Total Viable Aerobic Count	< 10^4 cfu g-1	As per WHO/PHARMA/92.559/Rev.1 Pg.49-52	**710 CFU/GM**
Total Enterobacteriaceae	< 10^2 org g-1		**45 ORG/GM**
Total Fungal Count	< 10^2 fs g-1		**30 FS/GM**
Test for Specific Pathogen As per FIP Guidelines			
E. coli (1g)	Absent		**ABSENT**
Salmonella Sp. (10g)			
S.aureus (1g)			
Mycotoxin analysis			
Aflatoxins (B1 + B2 + G1 + G2)	Absent	As per USP Test for Aflatoxins	**ABSENT**
Residual solvent analysis As per ICH Guidelines			
Methanol	N.A	As per USP <467>	**NIL WATER EXTRACT**
Phytochemical analysis			
Flavones	> 5 %	BY GRAVIMETRY METHOD	**6.12 %**