

CERTIFICATE OF ANALYSIS

1. Name of the Product : *Echinacea purpurea*, Echinacea Dry Extract
2. Batch Number : KH/EP/001/09
3. Mfg. Date : December-2009
4. Date of Analysis : December.-2009
5. Part of the Plant Used : Tops

Sr. No.	Test	Standards	Results	Test method
A	Physico chemical Tests			
1.	Description	Brown colour to dark brown colour fine powder	Brown colour fine powder	Visual
2.	Odour	Characteristic	Complies	Organoleptic
3.	Taste	Characteristic	Complies	Organoleptic
4.	Mesh size/ Seive Analysis	NLT 100% through 80 mesh	Complies	80 mesh screen
5.	Bulk density	50-70 gm/100ml	61gm/100ml	-
6.	Loss on drying	NMT 5.0%	3.69%	5gm/105 ⁰ C/2hrs
B	Active Component			
7.	Assay of Polyphenols	NLT 4% polyphenols	4.475	UV method
C	Limit Test			
8.	Heavy Metals	NMT 10 ppm	Complies	USP XXIII
	(a) Arsenic (As)	NMT 2 ppm	Complies	USP XXIII
	(b) Lead (Pb)	NMT 2 ppm	Complies	USP XXIII
D	Microbiological Tests			
9.	Total Plate Count	NMT-1000cfu/gm	Complies	AOAC BAM/IP
10.	Yeast/Molds	NMT-100cfu/gm	Complies	AOAC BAM/IP
11.	E. Coli	Absent	Absent	AOAC BAM/IP
12.	Salmonella	Absent	Absent	AOAC BAM/IP

SHELF LIFE : Two years if sealed. For use after prescribed period, re-test.

STORAGE CONDITIONS : Cool, Dry and Dark clean place. Temperature not exceeding 25°C.

OPINION OF ANALYST: The above material complies with the prescribed standards.

Analyzed By

Approved By

Computer generated certificate, valid without signature