

CERTIFICATE OF ANALYSIS

1. Name of the Product : Withania somnifera, Ashwgandha Dry Extract
 2. Strength : 10:1
 3. Batch Number : KH/WS/001/09
 4. Mfg. Date : May.-2009
 5. Date of Analysis : May.-2009
 6. Part of the Plant Used : Root

Sr. No.	Test	Results	Standards
A	Physico chemical Tests		
1.	Description	Brown colored powder with characteristic odour & bitter taste.	Brown colored powder with characteristic odour & bitter taste.
2.	Identification Test - by TLC Method	Complies	Positive
3.	Water Soluble Extractives as per IP'66	83%	NLT-80%
4.	Alcohol Soluble Extractives (50% Alcohol)	86%	NLT-80%
5.	Moisture Content	3.05%	NMT 7%
6.	pH (1% w/v aqueous solution)	5.12	3-7
B	Active Ingredient		
7.	Assay by Gravimetric Method as per IP'66	% of Total Alkaloid – 1.07%	NLT 1.0%
	Others by Gravimetric method	% of Withanaloids-1.72%	NLT-1.5%
C	Limit Test		
8.	Heavy Metals		
	(a) Arsenic	Complies	NMT 1 ppm
	(b) Lead	Complies	NMT 10 ppm
D	Microbiological Tests		
10.	Total Plate Count	72 cfu/gm	NMT-1000cfu/gm
11.	Yeast/Molds	6 cfu/gm	NMT-100cfu/gm
12.	E. Coli	Absent	Absent
13.	Salmonella	Absent	Absent
14.	Total Coliforms	Absent	Absent

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

Analysed By

Approved By