



Certificate of Analysis

Product Name : Withania somnifera extract	Herb Ratio : 5:1
Product Code : WS 25	Botanical Name : <i>Withania Somnifera</i>
Batch No. : 15 WS 04013	Mfg Date : Apr 2013
Quantity : 1000.00 kg	Exp. Date : Mar 2016

PARAMETER	SPECIFICATION	RESULT
Description	Light Brown Color Powder	Complies
Identification	Positive for Alkaloids by HPLC	Complies
Bulk Density (un tapped)	0.20 to 0.80 gm/ml	0.67 gm/ml
Loss on drying (at 105 C)	NMT 5.0 %	3.81 %
pH of 1% Solution	5.0 – 7.0	6.29
Particle Size	100 % Pass through 40 mesh	100 %
Assay		
Total Withanolides	NLT 1.5 %	1.79 %
Total Alkaloids	NLT 1.0%	1.23%
Microbial Analysis		
Total Plate Count	NMT 1000 cfu/gm	Complies
Yeast and Mould	NMT 100 cfu/gm	Complies
Coliforms	Absent	Absent
E. coli	Absent	Absent
Salmonella spp.	Absent	Absent
Shigella	Absent	Absent
Heavy Metal	NMT 10 ppm	Complies

The sample COMPLIES with the above said specification.

ANALYSED BY

APPROVED BY