

## CERTIFICATE OF ANALYSIS

PRODUCT NAME : Neem Extract  
MFG DATE : DECEMBER 2005

### ANALYTICAL RESULTS

<b>PHYSICAL CHARACTERISTIC</b>	<b>SPECIFICATION</b>	<b>RESULT</b>
Identification	Positive	Confirms
Appearance	Dry powder	Confirms
Color	Dark Brown	Confirms
Odor	Characteristic	Confirms
Taste	Bitter	Bitter
Particle size	NLT 90% thru 80Mesh	92.10%
Bulk density	0.4 0.6gm/ml	0.47gm/ml
Tap density	0.5 0.8gm/ml	0.53gm/ml
<b>CHEMICAL ANALYSIS</b>		
Assay for Actives(Total bitter)	NLT 4 %	4.20%
Loss on drying	NMT 6%	4.8%
Herb Extract Ratio	20:1	20:1
PH	5 8	5.40
Ash content	NMT 12%	10.60%
Water soluble extractives	NLT 60% @ 40C	65.60%
Alcohol soluble extractives	None	None
Solubility	In warm water @ 90C	soluble
	In Alcohol	Insoluble
<b>Excipient</b>	NMT 2 % Aerosil	1 % Aerosil
<b>IMPURITIES</b>		
<b>Total heavy metals</b>	< 10 ppm	4 ppm
<b>Lead</b>	< 2 ppm	1 ppm
<b>Mercury</b>	< 2 ppm	Absent
<b>Arsenic</b>	< 2 ppm	Absent
<b>MICROBIOLOGY</b>		
<b>Total Plate count</b>	< 10,000 Cfu/gm	8600 Cfu/gm
<b>Yeast &amp; Mold</b>	< 200 Cfu/gm	110 Cfu/gm
<b>Escherichia coli</b>	Absent	Absent
<b>Salmonella</b>	Absent	Absent

**REMARKS:** The giving Batch confirms to Neem Extract with respect to the above mentioned tests.

**ANALYST**

**AUTHORISED SIGNATORY**