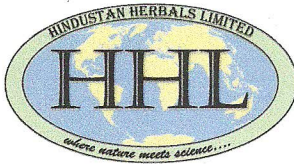


HINDUSTAN HERBALS LIMITED

manufacturer of herbal extracts & Phytochemicals



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Phone: +91-9996024398, 9896277447

Email: info@hindustanherbals.org

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Certificate Of Analysis

| | | | |
|----------------------|--------------------|------------------------|-------------|
| Product | Coleus Extract 10% | QAR No. | 12008 |
| Batch No. | HHL/CLF/BL/1203003 | A. R. No. | BB-12030005 |
| Date of Mfg. | March- 2012 | Date of Receive | 18/03/2012 |
| Date of Exp. | February – 2014 | Date of Release | 24/03/2012 |
| Dispatch Qty. | 150 Kg | Page No | 1 of 1 |

| S. No. | Parameters | Specifications | Results |
|--------|---------------------------------------|---|-----------------------------|
| 1. | Appearance | A light brown to dark brown coloured powder. | Dark brown coloured powder. |
| 2. | Colour | Brown | Complies |
| 3. | Identification | | |
| A- | By IR | IR spectra should match with that of Standard. | Complies. |
| B- | By TLC | Sample spot should match with that of Standard. | Complies |
| 4. | Particle Size | NLT:-90.0% pass through 80 mesh | Complies |
| 5. | Loss on drying | NMT:-6.0 % | 3.0 % |
| 6. | Assay By HPLC (ODB) | NLT:- 10.0 % | 10.28 % |
| 7. | Residual Solvent (By GC - Head Space) | | |
| | Hexane | Not more than 290 PPM | 25 PPM |
| | MDC | Not more than 600 PPM | 150 PPM |
| 8. | Microbial contamination | | |
| | Total microbial count. | Not more than 1000 cfu/gm. | 60 cfu/gm |
| | Total yeast and mould count | Not more than 100 cfu/gm. | <10 cfu/gm |
| | Escherichia coli | Absent /gm. | Absent |
| | Salmonella | Absent /gm. | Absent |
| | Staphylococcus aureus | Absent /gm. | Absent |
| | Pseudomonas aeruginosa | Absent /gm. | Absent |

Remarks: The product **complies** as per above specification.

Storage Condition: Store protected from heat and moisture.



| | | |
|-----------------------------|----------------------------|-----------------------------|
| <i>M. Saha</i> 24/03/12 | <i>S. Saha</i> 24/03/12 | <i>M. Saha</i> 24/03/12 |
| Prepared by (Chemist QC) | Checked by (Manager QC) | Approved By (Manager QA) |