

Specification of False Daisy extract (Manose RM-012)

1. **Name of the raw material** : False Daisy extract
2. **Active components** : Coumestans, alkaloids, flavonoids and glycosides⁽¹⁾
3. **Scientific name of the plant / Family** : False Daisy (*Eclipta prostrata* (L.) L.)/
COMPOSITAE
4. **Physical appearance of the raw material** : Dark brownish solid with specific odor
5. **pH of the raw material** : 4
6. **Standardization of the raw material** : HPLC fingerprint using wedelolactone as a marker⁽²⁾
7. **Solubility** : Soluble in water and ethanol
8. **Microbial contamination** : None
9. **Biological activities** : Anti-oxidant (DPPH)⁽³⁾, hair blackening⁽⁴⁾ hair
growth promotion⁽⁵⁾ and anti-cancer⁽²⁾
10. **Safety** : No skin irritation in human volunteers
11. **Animal / human performance test** : Hair blackening in human volunteers⁽⁴⁾ and hair
growth promotion in animals⁽⁵⁾
12. **Pharmaceutical, food supplement or cosmetic applications**
: Hair coloring and hair growth promotion cosmetic
products
13. **Recommended concentrations in the product (%)**
: 0.1-5 %
14. **Storage** : Keep in tight and light protection container at room
temperature
15. **Precautions (if any)** : None
16. **Cost per kg** : -

References

1. Chokotia LS, Vashistha P, Sironiya R, Matoli H. Pharmacological activities of *Eclipta alba* (L.). International Journal of Research and Development in Pharmacy and Life Sciences 2013. 2(4): 499-502.
2. Liu QM, Zhao HY, Zhong XK, Jiang JG. *Eclipta prostrata* L. phytochemicals: isolation, structure elucidation and their antitumor activity. Food and Chemical Toxicology 2012. 50: 4016-4022.
3. Cherdtrakulkiat R, Boonpangrak S, Pingeaw R, Prachayasittikul S, Ruchirawat S, Prachayasittikul V. Bioactive triterpenoids, anti-microbial, anti-oxidant and cytotoxic activities of *Eclipta prostrata* Linn. Journal of Applied Pharmaceutical Science 2015. 5(3): 46-50.
4. Tripathi S, Mondal AK, *Eclipta prostrata* (L.) L. (Asteraceae)-an eco-an friendly natural hair dye. Current Science 2015. 109(6): 1011-1012.
5. Roy RK, Mayank Thakur, Dixit VK. Hair growth promoting activity of *Eclipta alba* in male albino rats. Archives of Dermatological Research 2008. 300: 357-64.