

Specification of Fräuleine extract (Manose RM-033)

1. **Name of the raw material** : Fräuleine mixed plant extract
2. **Active components** : flavonoids, phytoestrogens
3. **Scientific names of the plants** : Common Bean (*Phaseolus vulgaris* L.), Date Palm (*Phoenix dactylifera* L.) and Sweet Basil (*Ocimum basilicum* L.)
4. **Physical appearance of the raw material** : Dark brownish solid
5. **pH/odor of the raw material** : 4 / herbal odor
6. **Standardization of the raw material** : HPLC fingerprint by using genistein or puerarin as a marker
7. **Solubility** : Soluble in water and ethanol
8. **Microbial contamination** : None
9. **Biological activities** : The extract gave inhibition of estrogenic activity in MCF-7 with % cell viability of 163.35% which was 1.14 folds of estradiol
10. **Safety** : No toxicity with LD₅₀ of more than 5g/kilogram body weight in Wistar rats
11. **Food supplement application** : Tonic for menopause women/ female hormone replacement
12. **Recommended doses** : 309 mg/day
13. **Storage** : Keep in tight and light protection contains in a refrigerator at 4°C (3-4 years of shelf life)
14. **Precaution** : Not for children under 12 years and men
15. **Cost per Kg** : -