

Specification : Defaté extract / สารสกัดสมุนไพรดีฟาเต้  
(Manose RM-0042)

(Application : An active ingredient for weight control food supplements /  
สารสำคัญในผลิตภัณฑ์เสริมอาหารควบคุมน้ำหนัก)

1. Name of the raw material : Defaté extract
2. Active components : Flavonoids, lignans, volatile oils
3. Common and scientific name/ Family of the plant : Guava (*Psidium guajava* L.) / MYRTACEAE / ASRERACEAE and Galangal (*Alpinia galanga* (L.) Wild.) / ZINGIBERACEAE
4. Physical appearance : Dark brownish solid with specific herbal odor
5. pH : 5
6. Standardization : HPLC fingerprint using kaempferol as a marker
7. Solubility : Soluble in water and ethanol
8. Microbial contamination : No pathogenic microorganism with less than 1,000 cfu/g of the total plate count of bacteria, yeast and fungi which is conformed to the Thai FDA regulation
9. Biological activities : Lipase inhibition activity with the IC<sub>50</sub> value of 4.91 µg/ml which is 0.05 folds of Orlistat (IC<sub>50</sub> = 0.24 µg/ml)
10. Animal / human performance test : None
11. Safety : No toxicity with LD<sub>50</sub> higher than 5 g/kg BW in rats
12. Pharmaceutical, food supplement or cosmetic applications : Food supplements for weight control

- 13. Recommended concentrations in the product : 150 - 300 mg/meal or 450 - 900 mg/day
- 14. Storage : Keep in tight and light protection container in a refrigerator at 4 °C (3 - 4 years of shelf life)
- 15. Precautions : Not for children under 12 years old
- 16. Cost per kg : Please request