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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