

Specification : Manose-HT-WN-001 Extract/
สารสกัดเอชที-ดับบลิวเอ็น-001 (Manose RM-0058)

(An active ingredient for blood pressure lowering food supplements/
สารสำคัญในผลิตภัณฑ์เสริมอาหารลดความดันโลหิต)

1. Name of the raw material : Manose-HT-WN-001 Extract
2. Active components : Terpenes, flavonoids and glycosides⁽¹⁾
3. Common and scientific name/ Family of the plant : Mytle Grass (*Acorus calamus* L.)/ ACORACEAE
4. Physical appearance : Dark Brownish solid with specific herbal odor
5. pH : 5
6. Standardization : HPLC fingerprint using β - asarone as a marker⁽¹⁾
7. Solubility : soluble in water and ethanol
8. Microbial contamination : No pathogenic microorganism with less than 1,000 cfu/g of bacteria, yeast and fungi which is conformed to the Thai FDA regulation
9. Biological activities : Blood pressure lowering of 2 times more than the standard blood pressure lowering drug, prazosin hydrochloride in high blood pressure L – NAME induced Sprague - Dawley male rats measured by the Tail Cuff method
10. Animal/ human performance test : A vasorelaxant effect in animals
11. Safety : LD₅₀ more than 5g / kg body weight in rats
12. Pharmaceutical, food supplement or cosmetic applications : Blood pressure lowering food supplements

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| 13. Recommended concentrations in the product | : 281 mg/capsule |
| 14. Storage | : Keep in tight and light protection container at 4 – 8 °C with physical and chemical stability for one year |
| 15. Precautions | : None |
| 16. Cost per kg | : Please request |

Reference

1. Sharma V, Singh I, Claudhary P. (2014) Acorus calamus (The Healing Plant) : a review on its medicinal potential, micropropagation and conservation. **Natural Product Research**, 28(18): 1454-1466