Specification of Stevia leaf extract (Manose RM-020)

1.	**Name of the raw material**	: Stevia leaf extract
2.	**Active components**	: Steviol glycosides, triterpenes, sterols and flavonoids[1]
3.	**Scientific name of the plant / Family**	: Stevia (*Stevia rebaudiana* (Bertoni) Bertoni)/ COMPOSITAE
4.	**Physical appearance of the raw material**	: Dark olive greenish solid with specific odor
5.	**pH of the raw material**	: 6
6.	**Standardization of the raw material**	: HPLC fingerprint using stevioside as a marker
7.	**Solubility**	: Soluble in water
8.	**Microbial contamination**	: None
9.	**Biological activities**	: Sweetening agent which has a sweetening potency 250 times of sucrose with no calory, moisturizer in cosmetic and anti-oxidant[2]
10.	**Safety**	: No skin irritation in human volunteers
11.	**Animal / human performance test**	: Sweetening agent for the substitution of sucrose in human volunteers[3]
12.	**Pharmaceutical, food supplement or cosmetic applications**	: Foods, pharmaceuticals, food supplements for the substitution of sucrose for diabetes, and weight loss, and moisturizer in 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

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16. Cost per kg : -

References

1. Madan S, Ahmad S, Singh GN, Kohil K, Kumar Y, Singh R, Garg M. *Stevia rebaudiana* (Bert.) Bertoni –A review. Indian Journal of Natural Products and Resources 2010, 1(3): 267-286.
2. Tadhani MB, Patel VH, Subhash R. *In vitro* antioxidant activities of *Stevia rebaudiana* leaves and callus. Journal of Food Composition and Analysis 2007, 20: 323-329.
3. Chan P, Tomlinson B, Chen YJ. A double-blind placebo controlled study of the effectiveness and tolerability of oral stevioside in human hypertension. British Journal of Clinical Pharmacology 2000, 50: 215-229.