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SPECIFICATION

Version# LAYN (GG) 097-C0

Product Name:	Stevia Leaf Extract RA97	Item Code:	SRE10
Common Name:	Stevia Leaf Extract	Shelf Life:	36 months
Raw Material:	Dried Stevia Leaf	Carrier:	None
Botanical Name (Raw Material):	Stevia Rebaudiana	Country of Origin (Raw Material):	China
Extraction Solvent:	Water	Country of Origin (Manufacturing):	China
Declarations:	Non-GMO, Non-Irradiated, Non-Eto		
Storage:	Storage at room temperature, seal tightly, keep from moisture and strong light		

PARAMETER	SPECIFICATION	METHOD
<u>Organoleptic Test</u>		
Color	White to off-white	Layn Sensory Testing Method
Appearance	Fine powder	Layn Sensory Testing Method
Odor & Taste	Characteristic without off-flavor	Layn Sensory Testing Method
<u>Analytical Data</u>		
Rebaudioside A, %	≥ 97.0	JECFA
*Chemical Test for Identify	Complies to standard	HPLC
Loss on Drying, %	≤ 5.0	GB 5009.3
Ash, %	≤ 1.0	GB 5009.4
Solubility, 1% solution	Clear liquid	Layn Solubility Testing method
pH, 1% solution	4.5-7.0	CP 2020 0631
<u>Solvents Residue</u>		
*Ethanol, mg/kg	≤ 3,000	CP 2020 0861
*Methanol, mg/kg	≤ 200	CP 2020 0861
<u>Heavy Metals</u>		
*Arsenic (As), mg/kg	≤ 1.0	GB 5009.268
*Lead (Pb), mg/kg	≤ 1.0	GB 5009.268
*Cadmium (Cd), mg/kg	≤ 0.3	GB 5009.268
*Mercury (Hg), mg/kg	≤ 0.1	GB 5009.268
<u>Microbiological Control</u>		
Total Aerobic Plate Count, cfu/g	≤ 1,000	GB 4789.2
Yeast & Mold, cfu/g	≤ 100	GB 4789.15
Coliforms, cfu/g	≤ 10	GB 4789.3
*Escherichia Coli, 25g	Negative	GB 4789.38
*Staphylococcus Aureus, 25g	Negative	GB 4789.10
*Salmonella, 25g	Negative	GB 4789.4
<u>Note:</u>		
The item marked with * is tested at a set frequency based on risk assessment.		
Layn Internal Standard: Steviol Glycosides Quality Standard		
JECFA: Joint FAO/WHO Expert Committee on Food Additives		
GB: Chinese National Standard		
CP: Chinese Pharmacopoeia		

Approved by: Ou Daoying(QA Manager)

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