

CERTIFICATE OF ANALYSIS

Product and Batch Information			
Product Name:	Stevia Liquid from Leaf Extract	Country of Origin:	Bulgaria
Botanic Name:	Stevia rehaudiana Bertoni.	Type of extraction:	Water/ Grain Alcohol
Plant Part:	Leaves (Fresh, 100% Natural)	Active Ingredient:	Rebaudiosides A
Batch:	SLES97-111202	Manufacture Date:	December 02, 2012
Extract Ratio:	Approx. 120 to 1 extract	Analysis Date:	December 02, 2012
Analysis:	600Kg/24 drums	Report Date:	December 09, 2012
Analysis Item	Specification	Result	Test Method
Active Ingredients			
Assay	NLT 98% Rebaudiosides A	98,00%	HPLC
Physical Control of the Extract			
Identification	Positive	Conforms	TLC
Appearance	Fine powder	Conforms	Visual
Color	White	Conforms	Visual
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	Organoleptic
Sieve Analysis	100% pass 80 mesh	Conforms	80 Mesh Screen
Solubility	Good solubility in hydro-alcoholic solution	Conforms	Visual
Loss on Drying	5% Max	3,66%	5g / 105C /5hrs
Ash	1% Max	0,84%	2g / 525C / 5hrs
Free from Gamma Irradiation			
Sterilisation Method	High Temperature & High Pressure for short time (5" – 10")		
GMO Status	GMO Free	Conforms	/
Chemical Control of the Extract			
Sulphate	0.5% Max	Conforms	2g / 525C / 5hrs
Arsenic (As)	NMT 2ppm	Conforms	Atomic Absorption
Cadmium(Cd)	NMT 1ppm	Conforms	Atomic Absorption
Lead (Pb)	NMT 1ppm	Conforms	Atomic Absorption
Chlorate (Cl)	NMT 1ppm	Conforms	Atomic Absorption
Phosphate Organics	NMT 1ppm	Conforms	Gas Chromatography
Heavy Metals	10ppm Max	Conforms	Atomic Absorption
Pesticides Residues	NMT 1ppm	Conforms	Gas Chromatography
Microbiological Control of the Extract			
Total Plate Count	1000cfu/g Max	50cfu/g	
P.aeruginosa	Negative	O.K.	
S. aureus	Negative	O.K.	
Salmonella	Negative	O.K.	
Yeast & Mold	50cfu/g Max	10cfu/g	
E.Coli	Negative	Negative	
Staphylococcus	Negative	Conforms	
Aflatoxins	NMT 0.2ppb	Negative	HPLC
Packing and Storage of the Extract			
Packing	Pack in paper-drums and two plastic-bags inside.		
Storage	Store in a well-closed container away from moisture.		
Shelf Life	2 years if sealed and store away from direct sun light.		
Liquid packing	20 ml bottle with dropper in sterile PET/AL/PE foil bag		
Expiration Date	December 01, 2014		
Manufacturer	Quintessence BG Ltd., 1619 Sofia, Bulgaria, 16 Omayia St., 0899 924017 Dr. Krasimir Kumanov, General manager		