

## SPECIFICATION

General Information			
<b>Product:</b>	<b>GUARANA EXTRACT 10% natural caffeine</b>		
<b>Process/Manufacture:</b>	Extraction, Vacuum Concentration, Pasteurization and Spray Drying		
<b>Botanical Source:</b>	Paullinia cupana	<b>Article No:</b>	0038-100-N
<b>Family:</b>	Sapindaceae	<b>Used Part:</b>	Seeds
<b>Origin:</b>	Brazil (Region Bahia)	<b>Solubility:</b>	Water
<b>Carrier:</b>	Maltodextrine	<b>Irradiation:</b>	Free

### BASIC ANALYSIS

Analysis	Description	Test Method
<b>Appearance</b>	Fine Hygroscopic Powder	Visual
<b>Color*</b>	Light brown	Visual
<b>Flavor/Odor</b>	Characteristic	Gustatory
<b>Moisture</b>	Max. 6%	DIN 10772-2
<b>pH 25°C</b>	4,5 – 5,5	DIN 10776
<b>Solubility</b>	Soluble in Water	Visual
<b>Density</b>	400 - 800 g/l	Internal
<b>Caffeine</b>	> 10 %	HPLC

\* The color may vary naturally depending on ripeness, seasons, climate and geographical area of raw material.

### MICROBIOLOGICAL ANALYSIS

Analysis	Limit/Specification	Test Method
<b>Total aerobes germs</b>	< 1.000 CFU/g	DIN EN ISO 4833-1a
<b>Yeast and Mold</b>	< 100 CFU/g	§ 64 LFGB L 01.00-37a
<b>Total Coliform</b>	< 10 MPN/g	Fluorocult
<b>Escherichia Coli</b>	Absent in 1g	Fluorocult
<b>Staphylococcus Aureus</b>	Absent in 1 g	DIN EN ISO 6888-1a
<b>Salmonella</b>	Absent in 25 g	§ 64 LFGB L 00.00-20a

### GUARANTEES

Quality	Declaration
<b>GMO</b>	GMO free, does not contain genetically modified organisms (GMOs) as defined in EC 1829/2003 and 1830/2003
<b>Pesticides</b>	No Pesticides used for the planting and farming process (conform to § 64 LFGB L 00.00-115 + VO396/2005 )
<b>Allergens</b>	No Allergens, in compliance with Regulation (EU) Nr. 1169/2011, Appendix II
<b>Gluten</b>	Gluten-free
<b>Lactose</b>	Lactose-free
<b>Vegan</b>	The product does not contain animal derivatives and has not been exposed during the production process to additives having been in contact with animals.
<b>Kosher / HALAL</b>	Certification on request
<b>Heavy metals</b>	conform to VO 1881/2006 and 629/2008

### ADDITIONAL INFORMATION

<b>Storage Conditions</b>	Keep the original package in a fresh, dry place away from direct sunlight. Hygroscopic product.
<b>Shelf Life</b>	The product stability is 24 month from date of manufacture in it's original packaging.
<b>Packing</b>	Net weight - 15 kg bag