

## Safety Data Sheet

### 1. GENERAL INFORMATION

**Product:** Guarana Dry Extract 22% Caffeine ST      **Ratio:** 2-3:1 (extract: powder)  
**Process:** Extraction, Filtration, Homogenization, Pasteurization and Spray Drying  
**Ingredient Statement:** Guarana seeds, Maltodextrin, caffeine  
**Color Appearance:** Light Brown to Brown  
**Botanical Source:** *Paullinia cupana*      **Family:** Sapindaceae  
**Origin:** Brazil      **Used Part:** Seeds  
**Colorant:** Caramel      **Solvent:** Water/Alcohol  
**Irradiation:** Free      **GMO:** Free

### 2. FIRE AND EXPLOSION HAZARD DATA

**Flash point/flammability/auto-ignition:** N/A  
**Fire Hazard:** no specific information is available regarding the flammability of this material in the presence of various materials.  
**Explosion Hazard:** N/A  
**Extinguishing Media:** use of fire extinguisher, or water spray (do not use water jet)  
**Instructions:** use full protective equipment

### 3. STABILITY & REACTIVITY DATA

**Stability:** The product is stable between room temperature away from climatic influences, such as light, heat and humidity.  
**Conditions to avoid** excessive heat  
**Possibility of hazardous reactions: Violent reaction with:** strong oxidizer  
**Hazardous Decomp. Products/Poly occur:** Combustion may produce CO and CO<sub>2</sub>

#### 4. HEALTH HAZARD DATA (TOXICITY)

**Routes of entry:** ingestion, inhalation, eye contact and skin contact

**Toxicity of animals:** N/A

**Chronic toxic effect:** N/A

**Health hazards:** generally considered non-hazardous and it is widely used as a health food supplement for its nutritional benefits

**Other toxic effects:** N/A

**Ingestion:** Swallowing this material during normal handling is not likely to be harmful.

#### 5. FIRST AID MEASURE

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
<b>Skin Contact</b>	Wash the contaminated skin with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Loosen tight clothes. Seek medical attention.
<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything to an unconscious person. If large quantities of this material are swallowed, call a physician immediately, and seek further help.

#### 6. EXPOSURE CONTROL MEASURES and PERSONAL PROTECTION

**Personal Protection:** respiratory, eye, hand protection: use OSHA/MSHA approved respirator chemical safety goggles, and gloves. Other protective equipment and hygienic practice; lab coat, dust respirator, and boots, wash carefully after handling.

#### 7. ACCIDENTAL RELEASE MEASURES

**Spill cleanup:** In case of a spill, shut off any ignition, ventilate the area, and exercise caution. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Wear protective clothing.

## 8. HANDLING and STORAGE

**Handling:** Always equipped with EPI, attentive to POPs to prevent contamination of the product and protect the handler.

**Storage:** Keep container tightly sealed. Store in dry and cool environment. Keep away from sources of ignition. Do not inhale dust. In case of insufficient ventilation, wear suitable respiratory equipment.

## 9. PHYSICAL and CHEMICAL PROPERTIES

The physicochemical properties vary according to the raw material used (fruit, vegetable, plant), and these consist of physical state, shape, color, odor, and pH. Further information can be found in the technical specification of the product.

## 10. ECOLOGICAL INFORMATION

**Mobility:** Water soluble

**Environmental Impact:** Being a product from organic origin and no harmful substances possessed, this brings no environmental impact. Even if exposure to soil or rivers, there will be a spread and increase of the supply of nutrients.

## 11. DISPOSAL CONSIDERATIONS

**Product:** Dissolves in water

**Remains of product:** Elimination or deposition on soils, thus serving as a source of nutrients and fertilizer.

**Used Packaging:** Plastic bag within a bag Kraft paper. Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

## Analyses Data

### PHYSICAL CHEMICAL ANALYSES

Assay	Limit/Specification	Test Method
Appearance	Fine Hygroscopic Power	IT-17
Color	Light Brown to Brown	IT-17
Flavor/Oder	Characteristic	IT-17
Moisture (%)	Max 6%	IT-16
pH at 25°C	5.0-6.0	IT-12
Solubility	water	Visual
Density (g/mL)	.300-.500	IT-14
Caffeine	Min 22%	IT-21

### MICROBIOLOGICAL ANALYSES

Assay	Limit/Specification	Test Method
Standard Plate Count	<3,000 CFU/g	AOAC 990.12
Coliforms	<100 CFU/g	AFNOR 3M 01/2-09/89C
Escherichia coli	Absent	AOAC 991.14
Yeast/Mold	<100 CFU/g	AOAC 997.02
Staphylococcus aureus	Absent	AOAC 2003.11
Salmonella sp	Absent in 25g	AOAC 2014.01
Enterobacteria	Absent	AOAC 2003.01

### HEAVY METALS ANALYSES

Assay	Limit/Specification	Test Method
Arsenic	< 1 ppm	MTFQ-003
Lead	< 1 ppm	MTFQ-003
Mercury	< 1 ppm	IOME02-CRL1410
Cadmium	< 1 ppm	MTFQ-003

## Regulatory Information Datasheet

### ALLERGENS/HYPERSENSITIVITIES

<b>Cereals containing gluten</b>	Wheat and products thereof (1,2,3,4)*	Not contain
	Rye and products thereof (1,3,4)*	Not contain
	Barley and products thereof (1,3,4)*	Not contain
	Oatmeal and products thereof (1,3,4)*	Not contain
	Hybridized strains (1,3,4)*	Not contain
Crustaceans and products thereof (1,2,3,4)*		Not contain
Egg and products thereof (1,2,3,4)*		Not contain
Fish and products thereof (1,2,3,4)*		Not contain
Peanut and products thereof (1,2,3,4)*		Not contain
Soybeans and products thereof (1,2,3,4)*		Not contain
Milk and products thereof including Lactose (1,2,3,4)*		Not contain
<b>Chestnuts, Walnuts, Almonds and products thereof</b>	Chestnut ( <i>Castanea</i> spp) (1,2,4)*	Not contain
	Chiquapin ( <i>Castanea pumila</i> ) (2)*	Not contain
	Almond ( <i>Prunus dulcis</i> , sin.) (1,2)* ( <i>Prunus amygdalus</i> ) (1)* ( <i>Amygdalus aomunis</i> L.) (1,3)*	Not contain
	Hazelnut ( <i>Corylus</i> spp.) (1,2)* ( <i>Amygdalus communis</i> L.) (3)*	Not contain
	Cashew nut ( <i>Anacardium occidentale</i> ) (1,2,3)*	Not contain
	Brazil nut ( <i>Bertholletia excelsa</i> ) (1,2,3)*	Not contain
	Macadamia ( <i>Macadamia</i> spp.) (1,2)* ( <i>Macadamia ternifolia</i> ) (3)*	Not contain
	Walnut ( <i>Juglans</i> spp.) (1,2)* ( <i>Juglans regia</i> ) (3)*	Not contain
	White nut ( <i>Juglans cinerea</i> ) (2)*	Not contain
	Pecan ( <i>Carya</i> spp.) (1,2)*	Not contain
	Peacan nut ( <i>Carya illinoensis</i> ) (2,3)*	Not contain
	Pistachio ( <i>Pistacia</i> spp.) (1)* ( <i>Pistacia vera</i> L.) (2,3)*	Not contain
	Pine nut ( <i>Pinus</i> spp.) (1,2)*	Not contain
	Coconut ( <i>Cocos nucifera</i> L.)	Not contain
	Lichee nut ( <i>Litchi chinensis</i> Sonn) (2)*	Not contain
	Shea nut ( <i>Vitellaria paradoxa</i> C.F.) (2)*	Not contain
	Beech nut ( <i>Fagus</i> spp.) (2)*	Not contain
	Pili nut ( <i>Canarium ovatum</i> Engl. In A. DC. (2)*	Not contain
	Ginko nut ( <i>Ginkgo biloba</i> L.) (2)*	Not contain
Natural latex (1)*		Not contain
Celery and products thereof (3)*		Not contain

Mustard and products thereof (3)*	Not contain
Sesame and products thereof (2,3)*	Not contain
Sulfur dioxide (3)* and sulfites (2,3,4)* $\geq 10$ ppm (mg/Kg or mg/L)	Not contain
Lupin and products thereof (3)*	Not contain
Mollusk and products thereof (3)*	Not contain
Reference: (1)* RDC n° 727, de 01/07/2022, (2)* FDA, (3)* Regulamento (EU) n° 1169/2011, de 25/10/2011, (4)* Codex Alimentarius	

### Statements/Certifications

Suitable for Vegetarians? (lacto-ovo)	Yes
Suitable for Vegans	Yes
KOSHER CERTIFIED	Yes, but available upon request
HALAL CERTIFIED	No, but available upon request w/ additional fee
TARIFF# FOR Import/Export (HTS#)	2101.20.2090

### GMO STATUS

The source materials used in the production of guarana are not derived from genetically modified organisms. In the manufacturing of guarana there are no processing aids (such as enzymes) which are derived from genetically modified organisms.

## Nutritional Information

Serving size: 20g (2 soup spoon)

Amount per serving		% DV(*)
Energetic value (Kcal)	80	4
Carbohydrates (g)	17.24	6
Total Sugar (g)	0.54	-
<i>Add Sugar (g)</i>	0.54	1
Protein (g)	1.95	4
Total fat (g)	0.32	0.5
Saturated fat (g)	0	0
Trans fat (g)	0	0
Food Fiber (g)	0.36	1
Sodium (mg)	5	0.3
% Daily Reference Values based on a 2,000 kcal or 8,400 kJ diet. Your daily values may be higher or lower depending on your energy needs.		