

**TECHNICAL SPECIFICATION****GUARANA EXTRACT POWDER**

<b>1. TECHNICAL INFORMATION</b>					
<b>Product Description:</b>	The product is obtained by extracting, concentrating and drying in a spray dryer the dried seeds of Guaraná (Paullinia Cupana) added with a carrier agent. The properties of this product make it suitable for use in various applications in the food and beverage industries.				
<b>Product code:</b>	EGD				
<b>Composition:</b>	Guarana extract, maltodextrin.				
<b>Regulatory requirement:</b>	Product exempt from mandatory sanitary registration according to RDC No. 27/2010 ANVISA -MS, other requirements see master list of documents.				
<b>2. PHYSICAL, CHEMICAL AND BIOLOGICAL CHARACTERISTICS AS TO FOOD SAFETY</b>					
*Physical characteristics in accordance with the parameters of the RDC nº 14, 28 de Março de 2014	Sand	Dead mites	Fragments of insects indicative of faults in BPF		
	1,5% sand	Max. of 5 in the analyzed rate	25 in 225g		
*Chemical characteristics according to RDC nº 487, de 26 de Março de 2021	Arsenic	Lead	Cadmium		
	Max. 0,2 mg/kg	Max. 0,2 mg/kg	Max. 1 mg/kg		
*Microbiological parameters according to the RDC nº 331, de 23 de Dezembro de 2019 e IN nº 60, de 23 de Dezembro de 2019	Salmonella	Escherichia coli	Molds and yeasts		
	Absent/25g	Absent/g	≤ 1000 ufc/g		
<b>ACCEPTANCE CRITERIA</b>					
<b>Organoleptic Characteristics:</b>	PARAMETERS		INSURED	TYPE OF ANALYSIS	
	Physical form		Powder	<b>LIB</b>	
	Color		Brown varying the tone from light to dark.	<b>LIB</b>	
	Odor		Characteristic	<b>LIB</b>	
	Flavor		Characteristic	<b>LIB</b>	
<b>Physical - Chemical Characteristics:</b>	PARAMETERS		ASSURED VALUE	UNID	TYPE OF ANALYSIS
	Moisture		≤ 6,0	%	<b>LIB</b>
	pH (solution to 10%) a 25°C		4,0 to 6,0	n.a	<b>LIB</b>
	Caffeine content		Min. 4,5	%	<b>LIB</b>
	Granulometry (80 mesh)		Min. 40%	%	<b>LIB</b>
	Apparently density		0,3000 to 0,6000	g/ml	<b>LIB</b>
<i>LIB: Analysis for batch release</i>					
<i>REF: Benchmark analysis, guaranteed by the supplier</i>					
<b>3. PACKAGING, STORAGE AND TRANSPORT</b>					
<b>Packaging that come into contact with the product:</b>	Type	Description	Specification		
	Plastic packages	Plastic bags, big bags, containers according to customer needs.	That migrate less than the established in RDC Resolutions nº 51 and 52 of 2010, GMC MERCOSUR nº 32/10 and nº 15/10;		
Secondary Paper Packaging	Cardboard boxes, kraft bags.	Secondary packaging that does not come into direct contact with the product.			
<b>Expiration date:</b>	24 months from date of manufacture when stored in sealed, original packaging.				
<b>Storage conditions:</b>	Store on pallets, in a covered, dry, ventilated place at room temperature. No need for humidity control. This product may be hygroscopic.				
<b>Distribution and delivery condition:</b>	Distribution and Delivery according to the customer's location, under closed transport as long as it is not directly exposed to bad weather. Under ambient temperature.				
<b>4. LABELING, CUSTOMER/CONSUMER INFORMATION AND INTENDED USE</b>					

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<b>Client Type and Main Applications:</b>	Manufacturers of food products, cosmetics, nutraceuticals. The main applications can be culinary preparations (juices, sweets or desserts) and/or industrial applications such as: ice cream, jelly beans, powdered juice, fruit tablets, energy drinks, flavored water, encapsulated products, etc.
<b>Handling and preparation instructions:</b>	Handle the product under hygienic conditions, in an environment free from contact with water. For preparation consider powder concentrated in caffeine. For powder dilution, the use of mechanical stirrers is recommended, when using large amounts of powder.
<b>Intent of Use</b>	This ingredient will be transformed into other products for end consumers, whether food, cosmetics or nutraceuticals.
<b>Unintentional Use</b>	Not known.
<b>Labeling Requirements:</b>	Labels must contain the following information: manufacturing date, expiration date, batch number, product name, factory name, ingredients, CNPJ, mass or volume, code, seal number, approval status. Each batch of product comes with an Analysis Report. For direct sale to the final consumer, the labeling must comply with RDC No. 360, OF DECEMBER 23, 2003, informing the nutritional composition of the product.
<b>5. GMO DECLARATION</b>	
According to the declaration of our suppliers, we inform you that we cannot guarantee that the manufacture of this product does not involve raw materials of transgenic origin.	
<b>6. ALLERGEN DECLARATION</b>	
In this product there is no possibility of presence due to the origin, intentional or accidental, of any allergenic substance contained in RDC N° 26/2015, this can be verified by the Allergen control plan.	
Magama Industrial Ltda Food Safety Management System (FSMS) recommended in the FSSC 22000 scheme.	
<i>This document is intended as a guideline for the proper handling of the product and it is the responsibility of the manufacturer to determine the regulatory suitability of this information for its marketing/use. This information has been compiled from various technical publications believed to be true and based on our experience.</i>	
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