



**IRIS NATURALS
INTERNATIONAL**

Your Reliable Global Supplier

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CERTIFICATE OF ANALYSIS

Product Name: Guaraná Dry Extract Soluble 9 – 11% Caffeine - ORGANIC
 Scientific Name: Paullinia cupana H.B.K.
 Family: Sapindaceae
 Product Code: 81022
 Plant Part Used: Organic Seeds
 Excipients: Organic Manioc Maltodextrin (45 – 65%)
 Manufacturing Process: Extraction/Vacuum Concentration/Spray Drying
 Preservatives: None
 Batch No: 150509.972
 Mfg Date: May / 2009
 Expiry Date: May / 2012
 Extraction Solvent: Ethanol/Water (3:1)
 Country of Origin: Brazil
 Ratio: 4 – 6:1

ANALYSIS	SPECIFICATION	RESULT	METHOD/ REF
PHYSIO-CHEMICAL PROPERTIES:			
Aspect	Fine hygroscopic powder	Fine hygroscopic powder	IT2-100
Color	Brown	Brown	IT2-100
Taste / Odor	Characteristic	Characteristic	IT2-100
Loss on Drying	Max 6,00	4.600	IT2-100
pH (sol. 10%)	3.500 – 5.500	4.400	IT2-100
Volumetric Density (g/L)	500.000 – 850.000	658.920	IT2-100
Caffeine Content (spec.) (%)	9.000 – 11.000	9.790	IT2-002
Solubility	Soluble in water	Soluble in water	IT2-100
MICROBIOLOGICAL TESTS:			
Total Bacteria	< 10.000 CFU/g	< 10.000 CFU/g	IT2-016

Pseudomonas aeruginosa	Absent in 10g	Absent	IT2-047
Salmonella sp	Absent in 10g	Absent	IT2-047
Escherichia coli	Absent in 10g	Absent	IT2-047
Mold / yeast	< 100 CFU/g	< 10 CFU/g	IT2-046
Staphylococcus aureus	Absent in 10g	Absent	IT2-047

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METHOD USED: Reference to Brazilian and Portuguese Pharmacopeias.

DRYING METHOD: Extraction/Vacuum Concentration/Spray Drying

NON-IRRADIATION STATEMENT: This product is not treated by irradiation.

CONCLUSION: This product complies with specifications.

PACKAGE: 25 Kg Bag Per Fiber Drum.

STORAGE & STOCK TEMPERATURE: Store in a cool and dry ventilated place under 20°, in a well-closed container. Keep away from moisture and heat.

SHELF LIFE: 2 years when stored properly.

REMARKS: Change of color can occur due to the fact that the product is from natural / vegetal origin.
We are not responsible for the quality of our products when they are manipulated inadequately.

This is a computer print out of the Certificate of Analysis and is also valid without signature!

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