

CERTIFICATE OF ANALYSIS (COA)

Product name GUARANA ORGANIC POWDER, Brazil.

Scientific name *Paullinia Cupana*.

Batch	Manufacture Date	Analysis Date	Validity Date
O-PO1404DT - 0062017	February, 2017	April, 13 th 2017	February, 2019

ORGANOLEPTICAL CHARACTERISTICS

Analysis	Specification	Results
Color	Light to medium brownish	In accordance
Appearance	Fine powder	In accordance
Flavor/Odor	Bitter and adstringent	In accordance

*Natural raw materials of vegetable origin can suffer color and odor changes between different batches of product.

PHYSICAL & CHEMICAL CHARACTERISTICS

Analysis	Specification	Results
Moisture (%)	Max. 11	9.28
Fixed mineral residue insoluble in HCl (g/100g)	Max. 0.5	0.04
Foreign material (%)	Max. 1	Absent

(1) According to Resolution - CNNPA nº 12, 1978.

* Below the quantification limit.

MICROBIOLOGICAL CHARACTERISTICS ^{(1) (2)}

Analysis	Specification	Results
Coliforms at 45°C (CFU/g)	≤ 10	<10*
Salmonella sp (/25g)	Absent	Absent
Staphylococcus (CFU/g)	≤ 5 x 10	<10*

(1) The sampling plan follows the standards of the ICMSF (International Commission on Microbiological Specifications for Foods).

(2) According to RDC 12 of January, 2001 - Item 27 - C.

* Below the quantification limit.

Storage Conditions Protect from extreme conditions of heat, light and moisture. Shelf life of 24 months after manufacture in the original packaging.