



ANALYSIS REPORT

Control No. 116458

Requesting company	CANTA RANA S.A.S
Site	Main Plant
Address	Cra 41 No. 43 – 34 Medellin
Telephone number	312 7758146
Product	BOROJO (<i>Borojoa patinoi</i>) POWDER
Sample identification	Batch: 004, Expiration date: 05 – 2013
Reception date	03/07/2012
Sample temperature	Room temperature
Sample amount	105 g
Type of container – packaging	Sealed aluminum bag
Sample sent by	Dr. Ruben Sánchez
Area	PHYSICAL CHEMISTRY
Organoleptic Characteristics	
Aspect	Granular powder, homogenous with particles.
Odor	Sui generis
Color	Brown

Physical-chemical Analysis	Unit	Result	Specifications (**)	Method
Selenium	µg/Kg	88,98	NA	Standard methods, 21 st Edition, 2005 3114A and B*

(**) According to the norm:

(*) Methods authorized by ONAC. Certificate of accreditation 10-LAB-053 Approval date 2011-09-05

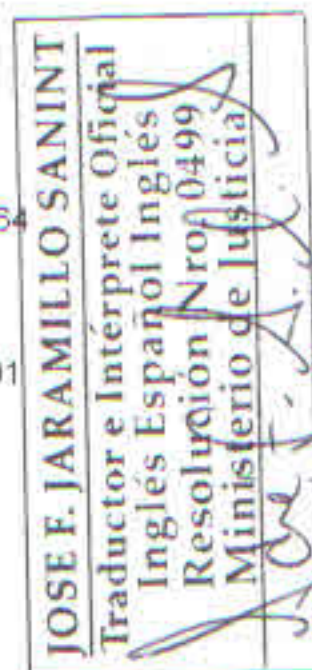
Note: This result corresponds, exclusively, to the sample received and analyzed at this laboratory.

Maria E. Olaya Cuadros
 Professional Credential 01267072811971002
 Chemical Pharmaceutics, U de A
 Coordinator
 Date: 17/07/2012
 Printed date: Medellin, Tuesday, 17 July 2012
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Luz E. Osorio Castaño
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 Chemical Pharmaceutics, U de A
 Coordinator
 Date: 17/07/2012

PD-GS-1.002-F01
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[Official translation done on 23 July 2012]



FAR - 002



UNIVERSIDAD NACIONAL DE COLOMBIA
[NATIONAL UNIVERSITY OF COLOMBIA]
MEDELLIN CAMPUS
SCHOOL OF AGRICULTURAL SCIENCES
DEPARTMENT OF ANIMAL PRODUCTION
LABORATORY OF CHEMISTRY AND BROMATOLOGICAL ANALYSIS

Sample No. 48638

Inform No. 23409

Date of Notice: 2011/08/18

Print date: 2011/08/29

RESULTS OF THE BROMATOLOGICAL ANALYSIS

Name of the interested company: CANTA RANA S.A.S

Address: Cll 43A 21 - 90 Medellin, phone: 3127758146

Type of food: BOROJO (*Borojoa patinai*)

Description: Powder

Analysis	Results	Methods of analysis
TOTAL SUGAR %	20.34	Electrophometric U.V-VIS
CALCIUM %	0.10	Electrophometric A. A. (According to NTC 5151)
ASHES %	2.45	Direct incineration (AOAC 942.05)
COPPER mg/kg (ppm)	3	Electrophometric A. A. (According to NTC 5151)
CRUDE FIBER %	13.3	Weende
PHOSPHORUS	0.08	Electrophometric U.V-VIS (According to NTC 4981)
FAT %	0.26	Soxhlet extraction (according to NTC 668)
IRON mg/kg (ppm)	194	Electrophometric A. A. (According to NTC 5151)
HUMID AND OTHER VOLATILE MATERIALS %	12.0	Thermogravimetric 103° C (According to ISO 6496)
MAGNESIUM mg/kg (ppm)	836	Electrophometric A. A. (According to NTC 5151)
MANGANESE mg/kg (ppm)	5	Electrophometric A. A. (According to NTC 5151)
POTASSIUM %	1.10	Electrophometric A. A. (According to NTC 5151)
CRUDE PROTEIN %	2.2	Kjeldahl (According to NTC 4657)
SODIUM mg/kg (ppm)	208	Electrophometric A. A. (According to NTC 5151)
ZINC mg/kg (ppm)	4	Electrophometric A. A. (According to NTC 5151)

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- * If another copy of this report is required, ask for it to the Laboratory Coordinator.
- * These results are only applicable to the test sample.

Laboratory coordinator

[At the bottom of page contact information]

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JOSE F. JARAMILLO SANINT
Traductor e Intérprete Oficial
Inglés Español Inglés
Resolución No. 0499
Ministerio de Justicia

FAR - 002



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Name of the interested company: CANTA RANA S.A.S
Address: Cll 43A 21 - 90 Medellin, phone: 3127758146
Type of food: BOROJO (*Borojoa patinol*)
Description: Powder

Analysis	Results	Methods of analysis
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OBSERVATIONS

Protein conversion factor: 6.25

These results are given accordingly to this information.

(Original document signed by)

Ángel Giraldo Mejía

Laboratory director

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