

pcu 0600-01



**LABSER S.R.L.**  
SERVICIOS ESPECIALIZADOS

**MICROBIOLOGICAL REPORT TEST**



Page 1 of 2  
LABSER-P24-F02 V.4

<b>REPORT CODE:</b>	<b>M2023-06-0379</b>
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<b>CLIENT INFORMATION:</b>  Company/Client: EXIMCRUZ SRL Address: Carretera Cobija Porvenir Comunidad Villa Buch Contac person: Eva Carlo Email contact person: logistic@eximcruz.com Phone (s): 79139577	<b>SAMPLE INFORMATION :</b>  Sample code: LBS-0625 Sampling date and time: 2023-05-29 Hr: Not shown Sampling by: Elias Maniguari Place of sampling: Finished product Sampling procedure: Compound Sample conditions: According Origin of the sample: Pando-Bolivia Receipt Date: 2023-06-01
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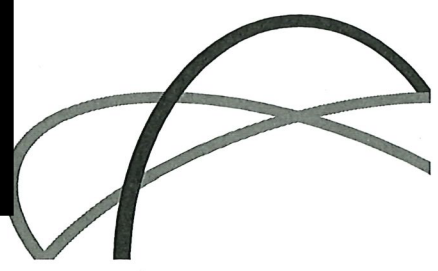
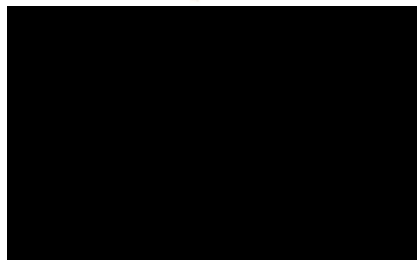
<b>SAMPLE IDENTIFICATION:</b>	
Product: Bolivian Shelled Brazil Nuts - Midget	Elaboration date: 2023-05-10
Quantity recieved: 3000 g	Expiration date: 2025-05-10
Sample packing: Vacuum sealed plastic bag	Client lot assigne: 29

<b>REPORT:</b>	
Start analysis date: 2023-06-05	End analysis date: 2023-06-12

PARAMETERS	REPORT VALUE	UNITS	REFERENCE VALUE		TEST METHOD
			m	M	
Aerobic plate count	4,3x10 <sup>2</sup> ✓	CFU/g	1x10 <sup>4</sup>	5x10 <sup>4</sup>	AOAC 990.12
Molds and yeasts	2,7x10 <sup>2</sup> ✓	CFU/g	10	1x10 <sup>2</sup>	AOAC 997.02
<i>Escherichia coli</i>	<10 ✓	in 375 g	NRV	NRV	AOAC 991.14
Total coliforms	<10 ✓	CFU/g	10	1x10 <sup>2</sup>	AOAC 991.14
<i>Staphylococcus aureus</i>	<10 ✓	CFU/g	1x10 <sup>2</sup>	5x10 <sup>2</sup>	AOAC 2003.07
<i>Salmonella spp.</i>	Absence ✓	in 375 g	Absence		NB/ISO 6579
• <i>Listeria monocytogenes</i>	Absence ✓	in 125 g	NRV		AFNOR CHROMagar Listeria

**OBSERVATIONS:**  
 The reference value is according to NB 320013:2010 = Bolivian Norm - Nuts-Amazonian nut without shell - Classification - Microbiological Requirements; CFU/g=Colony Forming Units per Gram of food; NB/ISO = Bolivian Norm/Organización Internacional de Normalización; AOAC=Association of Official Analytical Chemists.  
 m=Microbiological value below the food does not represent a risk to health; M=Microbiological value above the food represents a risk to health  
 The reported results should be compared to the "m" for a single sample.  
 <10 CFU/g = <1,0x10<sup>1</sup> UFC/g = Absence of microorganisms per gram of food; NRV=No Reference Value; \*Excluded trials within the authorization of RELOAA

**DECLARATION:**  
 The result correspond only to the sample analyzed by LABSER.  
 The laboratory disclaims all responsibility for the sampling and the conservation of the samples in the transfer.  
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**Date of issue: 2023-06-12**





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SERVICIOS ESPECIALIZADOS



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LABSER-P24-F02 V.4

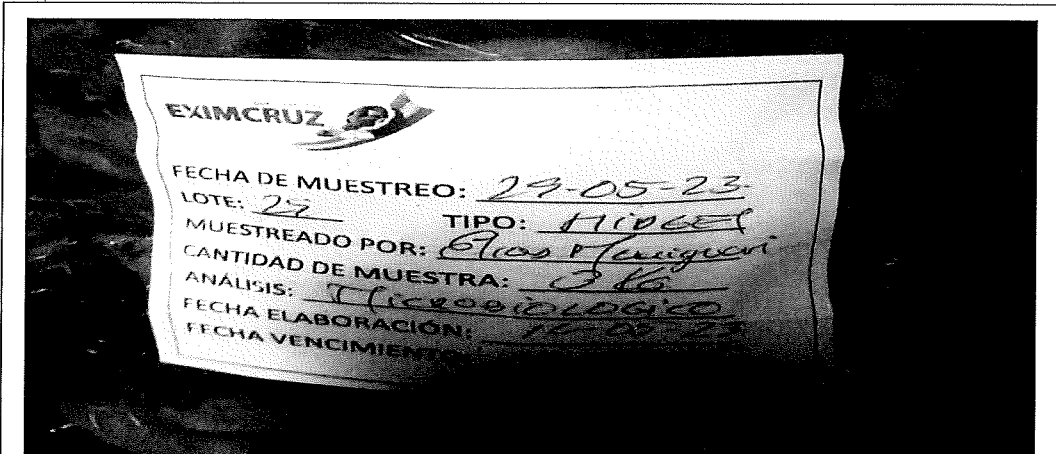
**MICROBIOLOGICAL REPORT TEST**

REPORT CODE: M2023-06-0379

**SAMPLE IDENTIFICATION:**

<b>Product:</b>	Bolivian Shelled Brazil Nuts - Midget	<b>Elaboration date:</b>	2023-05-10
<b>Quantity recieved:</b>	3000 g	<b>Expiration date:</b>	2025-05-10
<b>Sample Packing:</b>	Vacuum sealed plastic bag	<b>Client lot assigne:</b>	29
<b>Sample type:</b>	Chestnut		

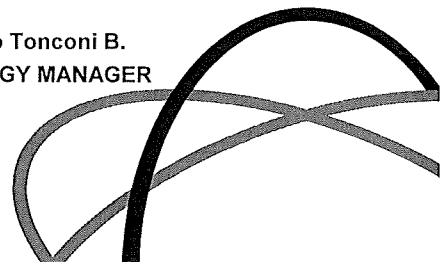
Picture of Sample



OBSERVATIONS:

**Veronica Salazar Ichuta**  
LABORATORY MANAGER a.i.

**Juan Pablo Tonconi B.**  
MICROBIOLOGY MANAGER



**Person in charge: Mr. S. Ring**

 TSI Life Science Advance, S.A.  
 attn. Report  
 Ultrapark 2. Edificio Flex, Oficina 2,  
 Lagunilla, Heredia  
 COSTA RICA

Hamburg, 16.06.2023

**Analytical report**
**AR-23-XP-019844-02**


This report replaces report number: AR-23-XP-019844-01

**Sample Code**
**208-2023-00020780**

<b>Order from:</b>	22.05.2023
<b>Reception date time:</b>	26.05.2023
<b>Sample name:</b>	Brazil Nuts
<b>Marking:</b>	"EXIMCRUZ S.R.L. Brazil Nuts Conventional Lote: 029 (PCU0600-01) Tipo: Midget Nombre botánico de la planta: Bertholletia Excelsa"
<b>Client sample code:</b>	2023PO3489-5
<b>Client purchase order reference</b>	2023PO3489
<b>Origin:</b>	Bolivia
<b>Organic:</b>	No
<b>Original client:</b>	Eximcruz S.R.L.
<b>Sampling date:</b>	22.05.2023
<b>Amount:</b>	530 g
<b>Start analysis:</b>	01.06.2023
<b>End analysis:</b>	16.06.2023

Mycotoxins	Result	MRL	RL	Unit
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**JJ006 Aflatoxins B1, B2, G1, G2 (food)**

Method: DIN EN 14123 (2008-03), mod., CON-PV 00873 (2023-01), IAC-LC-FLD

*(Modification: Expansion of application to foodstuffs in general and feed, adaptation of the extracting solvent and measurement conditions)*

Subcontracted to Eurofins WEJ Contaminants GmbH, Hamburg, which is accredited for this test.

Aflatoxin B1	0.7	✓ 5	0.1	µg/kg
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**Page 1/2**

All information regarding the sample (except those recorded on site or at sample registration by Eurofins) have been provided by the client. This information can have an impact on the validity of the analytical results and the result assessment.

 The results of examination refer exclusively to the checked samples.  
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 English: General Manager: Dr. Alexander Zahn  
 HRB 107194 AG Hamburg  
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 IBAN DE45 2073 0017 7000 0020 00  
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This report replaces report number: AR-23-XP-019844-01

Mycotoxins	Result	MRL	RL	Unit
Aflatoxin B2	< 0.1 ✓		0.1	µg/kg
Aflatoxin G1	0.6 ✓		0.1	µg/kg
Aflatoxin G2	< 0.1 ✓		0.1	µg/kg
Sum of all positive Aflatoxins	1.3 ✓	10		µg/kg

Administrative Tests	Result	Unit
<b>JJP01 Sample preparation (0 to 4 kg) for Afla/OTA (Slurry preparation)</b>		
Method: ASU LFGB L 00.00-111/1, (2008-12), mod., CON-PV 00832 (2020-02), Homogenisation		
Subcontracted to Eurofins WEJ Contaminants GmbH, Hamburg, which is accredited for this test.		
water additional (slurry)	150	%
weight for slurry	506	g

MRL = Maximum Residue Level

RL = Reporting Limit

### JUDGEMENT

The results of the above mentioned analyses are - regarding aflatoxins in Hazelnuts and Brazil nuts, placed on the market for the final consumer or use as an ingredient in food (1.1.11) - in accordance with the requirements of the Commission Regulation (EU) 2023/915 of 25 April 2023 on maximum levels for certain contaminants in food and repealing Regulation (EC) No 1881/2006 (OJ L119/103), in the current revision.



Team Assistant (Angelina Loginov)

### Page 2/2

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LOTE: 2ª

TIPO: MIDPET

MUESTREADO POR: elias Maniguaná

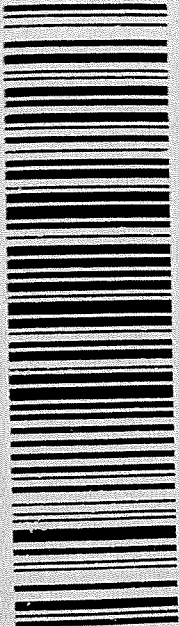
CANTIDAD DE MUESTRA: 500gr.

ANÁLISIS: Toxicológico - Aflatoxinas

26.05.2023 12:53

OUG

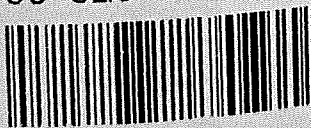
00 020 780



3M

N/A

00 020 780 - 99



Kern, Paranuss

02.06.2023 12:00

TSI Life Science Advance

2023PO3489-5

N/A

Proben Nummer: <<208-2023-00020780>>



**LABSER S.R.L.**  
SERVICIOS ESPECIALIZADOS

**PHYSICAL CHEMICAL REPORT TEST**



Page 1 of 2  
LABSER-P24-F03 V.3

**REPORT CODE:** F2023-06-0314

<p><b>CLIENT INFORMATION:</b></p> <p>Company/Client: EXIMCRUZ SRL          Address: Carretera Cobija Porvenir Comunidad Villa Buch          Contac person: Eva Carlo          Email contact person: logistic@eximcruz.com          Phone (s): 79139577</p>	<p><b>SAMPLE INFORMACION:</b></p> <p>Sample code: LBS-0625          Fecha y hora de muestreo: 2023-05-29 Hr: Not shown          Sampling by: Elias Maniguari          Place of sampling: Cobija          Sampling procedure: Compound          Sample conditions: According          Origin of the sample: Finished product          Receipt Date: 2023-06-01</p>
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<b>SAMPLE IDENTIFICATION:</b>			
Product:	Bolivian Shelled Brazil Nuts - Midget	Elaboration date:	2023-05-10
Quantity recieved:	1000 g	Expiration date:	2025-05-10
Sample packing:	Vacuum sealed plastic bag	Client lot assigned:	29

<b>RESULTADOS:</b>			
Start analysis date:	2023-06-06	End analysis date:	2023-06-09

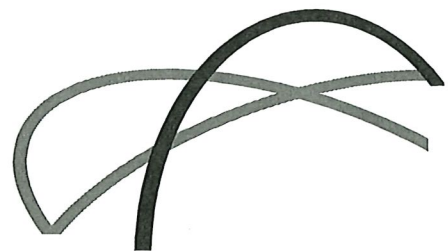
PARAMETERS	REPORT VALUE	UNITS	REFERENCE VALUE		TEST METHOD
			Min	Max	
Moisture	2,91 ✓	g/100g	2,0	4,0	ISO 712
Acidity (oleic acid)	0,05 ✓	g/100g	NRV	<0,5	ISO 7205
Rancidity	Negativo	-	NRV	NRV	Kreiss Reaction
Peroxide index	1,72 ✓	meq-O <sub>2</sub> /Kg	NRV	<5,0	AOAC 965.33
<b>Size classification</b>					
Small	157	U/pound	131	159	NB 320016
<b>Organoleptic</b>					
Taste	Characteristic	-	NRV	NRV	Organoleptic perception
Colour	Characteristic	-	NRV	NRV	Organoleptic perception
Odor	Characteristic	-	NRV	NRV	Organoleptic perception
Apparence	Characteristic	-	NRV	NRV	Organoleptic perception

**OBSERVATIONS**  
 The reference values are according to NB 320013:2019 Nuts - Shelled and dehydrated Amazon nut (Shelled Brazil Nuts) - Classification and requeriments  
 NRV = No reference value  
 \* Trials excluded within the RELOAA authorization

**DECLARATION:**  
 The result correspond only to the sample analyzed by LABSER.  
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**Date of issue:** 2023-06-13

Av. 12. de diciembre N° 2824, Zona Senkata • Teléfono: (591) 2 2852233  
 info@labser.com.bo • www.labser.com.bo



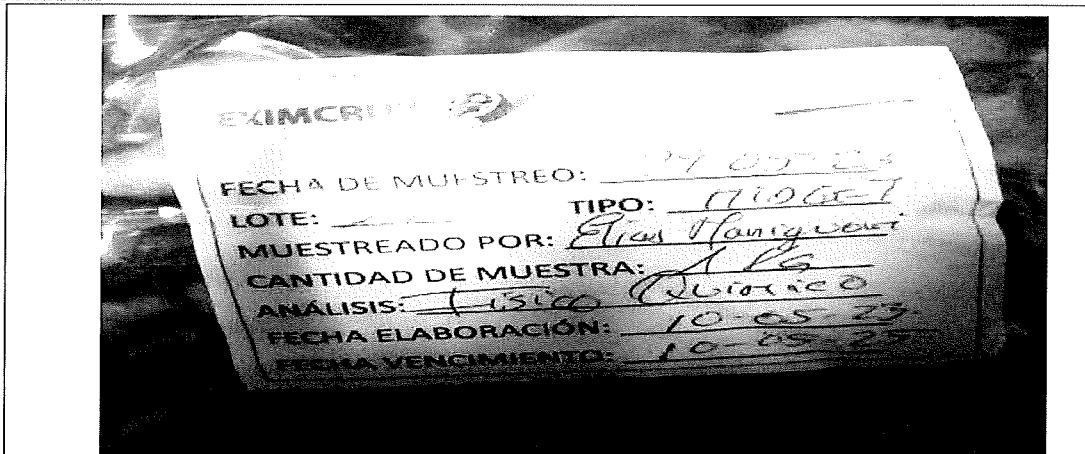
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F2023-06-0314

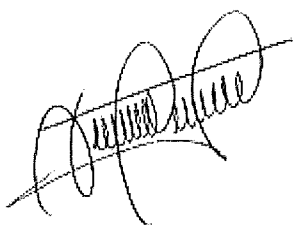
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<b>Product:</b>	Bolivian Shelled Brazil Nuts - Midget	<b>Elaboration date:</b>	2023-05-10
<b>Quantity recieved:</b>	1000 g	<b>Expiration date:</b>	2025-05-10
<b>Sample packing:</b>	Vacuum sealed plastic bag	<b>Client lot assigned:</b>	29
<b>Sample type</b>	Chestnut		

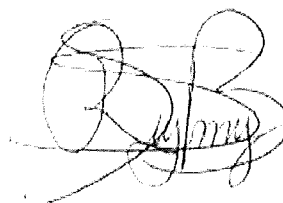
Fotografía de la muestra



OBSERVACIONES:



**Veronica Salazar Ichuta**  
LABORATORY MANAGER a.i.



**Reymy Sanchez Blanco**  
PHYSICOCHEMICAL MANAGER

