



FEDERATIVE REPUBLIC OF BRAZIL
STATE OF ESPÍRITO SANTO
Sworn Public Translator and Official Interpreter
SUSAN ANN FITZHERBERT

Nº 12.032

I, the undersigned, a Sworn Public Translator and Official Interpreter in and for the city of Vitória, ES, Brazil, registered in the Board of Trade of the State of Espírito Santo under number 19, hereby CERTIFY that a document written in Portuguese has been presented to me for translation into English, which I hereby do by virtue of my appointment:

Eurofins | **ALAC**

NEW VERSION**

Test Report	AR-20-GR-172880-02-N	Date: February 02/2021
Sample Code	819-2020-00164842	Page 1/2

(**This report cancels and replaces the previous one, AR-20-GR-172880-01/819-2020-00164842 dated December 22/2020, which should be disregarded)

Alterations made: Correction of the report to add the Lead (J1013) parameter.

BUN-TECH, TECNOLOGIA EM INSUMOS LTDA.

[Bar Code]

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Sample data:	OS/169/20
Packing:	Solid sample received in aluminum plastic wrapping
Date of receipt:	November 30, 2020
Beginning of Analysis:	December 07/2020
Conclusion of Analysis:	February 01/2021
Temperature (°C) on receipt	25.1
Sample Quantity	55g

Parameter	Results	Unit
J1045 JC Potassium (K)		
Potassium	14000	mg/kg
J1043 JC Iron (Fe)		
Iron (Fe)	25000	mg/kg
J1048 JC Sodium (Na)		
Sodium (Na)	280	mg/kg
J1046 JC Magnesium (Mg)		
Magnesium (Mg)	5900	mg/kg
J1036 JC Barium (Ba)		
Barium (Ba)	130	mg/kg
J1032 JC Aluminum (Al)		
Aluminum (Al)	59000	mg/kg
J1041 JC Chromium (Cr)		
Chromium	40	mg/kg
J1038 JC Calcium (Ca)		
Calcium (Ca)	1700	mg/kg
J1014 JC Selenium (Se)		
Selenium (Se)	1.3	mg/kg
J1018 JC Mercury (Hg)		
Mercury (Hg)	<0.005*	mg/kg
J1020 JC Antimony (Sb)		
Antimony (Sb)	1.9	mg/kg
J1005 JC Cadmium (Cd)		
Cadmium (Cd)	0.02	mg/kg
J1003 JC Arsenic (As)		
Arsenic (As)	1.8	mg/kg
J1013 JC Lead (Pb)		
Lead (Pb)	27	mg/kg



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SUSAN ANN FITZHERBERT**Sworn Public Translator and Official Interpreter****List of Methods**

J1003 – Arsenic (As): ASU L 00.00-19/3 (2004-07), mod. [DE Food]
 J1005 – Cadmium (Cd): ASU L 00.00-19/3 (2004-07), mod. [DE Food]
 J1013 – Lead (Pb): ASU L 00.00-19/3 (2004-07), mod. [DE Food]
 J1014 – Selenium (Se): ASU L 00.00-19/3 (2004-07), mod. [DE Food]
 J1018 – Mercury (Hg): ASU L 00.00-19/4 (2003-12), mod. [DE Food]
 J1020 – Antimony (Sb): ASU L 00.00-19/3 (2004-07), mod. [DE Food]

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J1032 – Aluminum (Al): EN ISO 11885 (2009-09), mod.
 J1036 – Barium (Ba): EN ISO 11885 (2009-09), mod.
 J1038 – Calcium (Ca): EN ISO 11885 (2009-09), mod.
 J1041 – Chromium (Cr): EN ISO 11885 (2009-09), mod.
 J1043 – Iron (Fe): EN ISO 11885 (2009-09), mod.
 J1045 – Potassium (K): EN ISO 11885 (2009-09), mod.
 J1046 – Magnesium (Mg): EN ISO 11885 (2009-09), mod.
 J1048 – Sodium (Na): EN ISO 11885 (2009-09), mod.

Additional Information

This document may only be reproduced in its entirety, and partial reproduction requires written approval from the laboratory. The results only refer to the sample received.

The results were obtained and reported according to the general conditions of sale agreed upon at the time of acquisition.

* = Smaller than the Quantification Limit

NA = Does not apply **ND** = Not detected **LQ** = Quantification Limit

The test identified by the two-letter code JC are analyzed at the Eurofins WEJ Contaminants GmbH (Hamburg) lab.

Report issued by Caroline Carrer.

Technical Assistance: asmalac@eurofins.com

Signature Electronically signed in compliance with “Provisional Measure 2.200-2” dated August 24/2001.
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I hereby certify that to the best of my ability, this is a true and correct translation into English of the above document. I further certify that I am competent in English to render this translation and in witness whereof have hereunto set my hand this 16th day of March 2023.



Susan Ann Fitzherbert

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