



Centro de Biologia Experimental Oceanus Ltda

Laboratory of water analyses

REG.INEA:UN015590/55.11.30
CNPJ 28383198/0001-59 . INSC. MUN. 313818-6 Almirante Cochrane street, 37, Tijuca, CEP 20550-040
- Rio de Janeiro, RJ, Tel-Fax- (55 - 21) 2567-0819 / 2567-3871

CERTIFICATION OF MEASUREMENT FOR WATER'S QUALITY Nº 66062

ESTABLISHMENT'S DATA	
CORPORATE NAME: C & C TECHNOLOGIES DO BRASIL LTDA	
NICKNAME: C & C TECHNOLOGIES	
ADDRESS: MAURÍCIO SILVA TELES STREET, 95 / 230	
NEIGHBORHOOD: BARRA DA TIJUCA	DISTRICT: RJ/RJ
CITY: RIO DE JANEIRO	CEP:
TELEPHONE: (21) 2408-6006	FAX:

DATA SAMPLE
SHIP: RIG SUPPORTER
HARBOR: NITSHORE

SAMPLE DATA	
SAMPLE IDENTIFICATION: MINERAL WATER 20L BEFORE HANDLING	
COLLECTION RESPONSABLE NAME: HAMILTON BARBOSA	VOLUME: 400 mL
SAMPLING HOUR: 13:45	SAMPLING DATE: 11.14.12
ARRIVAL HOUR IN LABORATORY: 19:00	ARRIVAL DATE IN LABORATORY: 11.14.12

ANALYTICAL RESULTS OF THE SAMPLE				
Microbiological Analysis				
Parameters	Unit	Results ¹	MVA ²⁻³	QL
Coliform count	MPN /100mL	< 1	Absence / 100 mL	1
<i>Escherichia coli</i>	MPN /100 mL	< 1	Absence / 100 mL	1
Clostridios Sulfito Redutores	MPN /100 mL	< 1	Absence / 100 mL	1
<i>Pseudomonas aeruginosa</i>	CFU /100mL	< 1	Absence / 100 mL	1
<i>Enterococcus faecalis</i>	CFU /mL	< 1	Absence / 100 mL	1

ADOPTED METHODS
Microbiological Examination: Coliform Count: SMEWW 9221 – Multiple-tube Fermentation Technique for Members of the Coliform group; Escherichia coli: SMEWW 9221; Clostridios: CETESB NT-L5.213; <i>Pseudomonas aeruginosa</i> Membrana Filtrante: SMWW 9213 E; <i>Enterococcus faecalis</i> .: SMWW 9230.



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REFERENCES

- 1- Officers: RDC n^o 275 ANVISA of Health Department. Standard for bottled water.
- 2- Analytical methodology: Standard Methods for Examination of Water and Wastewater 20th Edition – American Public Health Association – APHA.
- 3- Agriculture Department. National Secretariat of Farming Defense. Methods for Control of Products of Animal Origin and its ingredients. II Methods Physical and Chemical, 1981.

OBSERVATIONS

SUBTITLE:

- 1- Collected water referring results.
- 2- RDC 275 ANVISA/MS limits
- 3 - MVA: Maximum value allowed

QL: Quantification limit

CFU- colony forming units

MPN – Most Probable Number / CFU- colony forming units

Note 1: These results restrict only the analyzed water.

Note 2: This report can only be reproduced if complete.

Note 3: The sample's collection follows the described procedures in POP COL – 001.

ANALYSES FINDING

The analyzed water is in the limits established for RDC N.^o 275 ANVISA

Rio de Janeiro, November 21th, 2012.

PhD Ronaldo Leão
Technical responsible
CRBio-02339/85