



Centro de Biologia Experimental Oceanus Ltda

Laboratory of water analyses

REG.INEA:UN015590/55.11.10 CCL N°IN018913
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

N° 66060

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 ORIGIN: TRATED WATER	
COLLECTION POINT: PANTRY WITHOUT FILTER	
COLLECTION RESPONSABLE NAME: HAMILTON BARBOSA	VOLUME: 200mL
SAMPLING HOUR: 13:30	SAMPLING DATE: 11.14.12
ARRIVAL HOUR IN LABORATORY: 19:00	ARRIVAL DATE IN LABORATORY: 11.14.12

ANALYTICAL RESEULTS OF THE SAMPLE				
Microbiological Analysis				
Parameters	Unit	Results ¹	MVA ²⁻³	QL
Coliform count	MPN/100mL	< 1	Absence	1
Fecal Coliform	MPN/100mL	< 1	Absence	1
<i>Escherichia coli</i>	MPN/100mL	< 1	Absence	1
Standart Plate count	CFU/mL	< 1	500	1

ADOPTED METHODS
Microbiological Examination: Coliform Count: SMEWW 9221 – Multiple-tube Fermentation Technique for Members of the Coliform group; Fecal Coliform: SMEWW 9221 – Multiple-tube Fermentation Technique; Standart Plate Count: SMWW 9215 B; <i>Escherichia coli</i> : SMEWW 9221.



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REFERENCES

- 1- Officers: MS n° 2914 ANVISA of Health Department of 12th December, 2011. Standard of water potability destined to the human consumption.
- 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- N° 2914 ANVISA/MS limits
- 3 - MVA: Maximum value allowed

QL: Quantification limit
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.
Note 4: The sample data provided are the responsibility of the applicant.

ANALYSES FINDING

The analyzed water is in the limits established for MS N.º 2914 ANVISA

Rio de Janeiro, November 21th, 2012.

PhD Ronaldo Leão
Technical responsible
CRBio-02339/85