



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 N° 55944

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: GIRASSOL

SAMPLE DATA	
COLLECTION POINT: PRINCIPAL TANK	
SAMPLE ORIGIN: TRATED WATER	
COLLECTION RESPONSABLE NAME: THAIS ROSSINI	VOLUME: 250 mL
SAMPLING HOUR: 18:20	SAMPLING DATE: 12.28.11
ARRIVAL HOUR IN LABORATORY: 19:20	ARRIVAL DATE IN LABORATORY: 12.28.11

ANALYTICAL RESEULTS OF THE SAMPLE				
Microbiological Analysis				
Parameters	Unit	Results ¹	MVA ²⁻³	QL ⁴
Coliform count	MPN/100mL	Absence	Absence / 100 mL	1
Fecal Coliform	MPN/100mL	Absence	Absence / 100 mL	1
Standart Plate count	CFU/mL	4.000	500 CFU/mL	1
<i>Escherichia coli</i>	MPN/100mL	Absence	Absence / 100 mL	1

ADOPTED METHODS
Bacteriological 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 – Multiple-tube Fermentation Technique for Members of the Coliform group



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REFERENCES

REFERENCES:

- 1- Officers: MS n^o 2914 ANVISA of Health Department of 12 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- MS N^o 2914 ANVISA/MS limits
 - 3 - MVA: Maximum value allowed
 - 4 - 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.

ANALYSES FINDING

Report: The analyzed water is not in the limits established for MS N.^o 2914 ANVISA

Rio de Janeiro, January 05th, 2012.

PhD Ronaldo Leão
Technical responsible
CRBio-02339/85