



Centro de Biologia Experimental Oceanus Ltda

Laboratory of water analyses

REG.INEA:UN015590/55.11.10 CCL NºIN018913
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 62328

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

TELEPHONE: (21) 2408-6006

DATA SAMPLE

SHIP: ANDREW CHARLES

HARBOR: GIRASSOL

SAMPLE DATA

COLLECTION POINT: MAIN TANK

SAMPLE ORIGIN: TRATED WATER

COLLECTION RESPONSABLE NAME: HAMILTON BARBOSA

VOLUME: 650 mL

SAMPLING HOUR: 16:10

SAMPLING DATE: 06.08.12

ARRIVAL HOUR IN LABORATORY: 17:30

ARRIVAL DATE IN LABORATORY: 06.08.12

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
Standart Plate count	UFC/mL	97	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.



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REFERENCES

- 1- Officers: MS nº 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- MS Nº 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, June 13th, 2012.

PhD Ronaldo Leão
Technical responsible
CRBio-02339/85