

POTABLE WATER TESTING FOR SHIPS

Drinking water supplied onboard ship require regular testing and documenting of results following regulations established during the Maritime Labour Convention (MLC), 2006

A ship regardless of Flag, in the port state may subjected to Port State Control Inspection.

BioMarine services provide comprehensive testing of potable water for microbiological and physio-chemical analysis in accordance to WHO drinking water quality standards to comply with MLC 2006. Analysis will be conducted in ISO 17025 accredited laboratories.

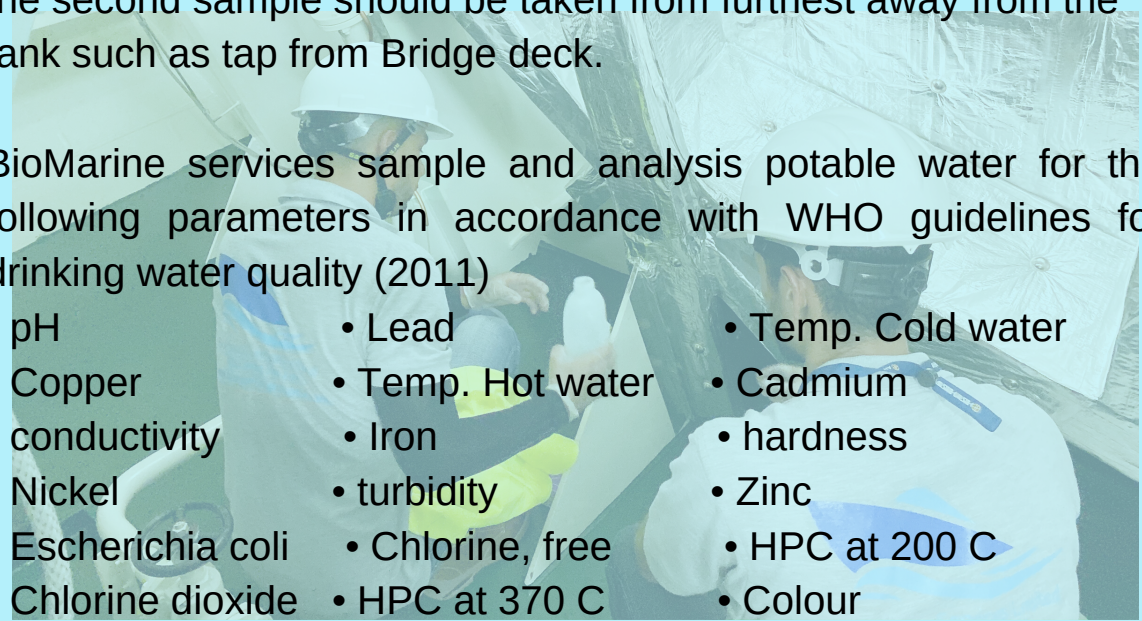
POTABLE WATER TESTING REQUIREMENTS

WHO guide to ship sanitation (2011) recommends comprehensive water testing to be carried out minimum twice a year to ensure water quality stability. It is also required to maintain Water Safety Plans (WSP) and recommend the sampling for analysis be taken from same outlets for consistency and to compare the results.

To obtain reliable and comparable information of the sanitary status of the potable water system, It is recommend to take more than one sample from the system. Sampling for legionella must be taken from shower head for both hot and cold water. Sampling for other parameters should to be taken from the storage tank and the second sample should be taken from furthest away from the tank such as tap from Bridge deck.

BioMarine services sample and analysis potable water for the following parameters in accordance with WHO guidelines for drinking water quality (2011)

- pH
- Copper
- conductivity
- Nickel
- Escherichia coli
- Chlorine dioxide
- Legionella spp
- Lead
- Temp. Hot water
- Iron
- turbidity
- Chlorine, free
- HPC at 370 C
- Odour
- Temp. Cold water
- Cadmium
- hardness
- Zinc
- HPC at 200 C
- Colour



REGULATION FOR POTABLE WATER

World Health Organisation (WHO) via its International Health Regulations (IHR)
European Union (EU) proposed Drinking-Water Directive (DWD) 93/83/EC
Maritime Labour Convention (MLC) 2006, (Standard A3.2-food&catering)

Additional Services

Our consultant can provide following sampling service at the same visit (with cost of analysis only).

- VGP sampling (Ballast, Grey & Bilge water)

Ballast water sampling for PSC

BWMS sampling for commissioning

Scrubber effluent sampling (VGP & IMO)



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BIOMARINE SERVICES

Improving Sea Life

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