



Foam sample analysis

Fixed firefighting foam concentrates are contained in bulk storage tanks onboard ship.

Continuous movement, tank breathing, tank material, high temperature, accidental ingress of seawater, contamination by oil and grease and age are some factors that affects the ability of foam and reduces its lifetime.

Because of this threat, international maritime regulations require foam concentrates to be tested and certified periodically.

Test parameters

Test guidelines in IMO MSC.1/Circ.1312/670 recommend that a 2-liter sample should be checked annually for following parameters:

- Sedimentation
- pH value
- Expansion ratio
- Drainage time/stability
- Volumic mass
- Small scale fire test and chemical stability test for protein-based alcohol-resistant foam concentrates

VIKING offers an unbiased analysis of foam samples that are in accordance with IMO guidelines, Manufacturer's specifications and parameters.

VIKING foam sample kit

The VIKING foam sample kit provides a convenient, fast and easy method of collecting firefighting foam samples for analysis, along with providing accurate testing of low and high expansion firefighting foam concentrates.

The prepaid kit provides everything needed for shipboard personnel to collect foam samples, convey the necessary information to the VIKING lab, where we will thoroughly review the data and report the results along with any recommendations.

Sample kit contents

- Shipping box and safety warning labels
- 2 liter foam collection bottle
- Sealed bag
- Foam sample instructions
- Request for analysis form
- DHL prepaid instructions

For more information, please contact your local VIKING representative.



Benefits

- Consistent, quality analysis performed by certified VIKING foam lab
- Testing in accordance with IMO MSC .1/ Circ 1312 and 670 and under approval of various classification societies
- Foam collection kit includes prepaid international shipping of the sample to the VIKING foam lab
- Additional test on FP-AR and FFFP-AR
- Results sent back electronically to both vessel and shoreside management
- History of lab results and certifications stored digitally in a web-based system
- Automatic notification for upcoming periodic test

