



Worldwide
FireFighting Foam
Testing Services

**When was your
foam last tested?**



foamtesting.com

What we offer

No matter where you are in the world, you can have your Fire Fighting Foams tested by our leading, independent Foam Test Laboratory.

Bringing local services and expertise direct to your doorstep, we offer global laboratory testing services for low, medium and high-expansion firefighting foams including:

- AFFF
- AR-AFFF
- FFFP
- AR-FFFP
- FP
- Hi-Ex
- Class A
- F3

Why choose us?

With extensive experience across the Fire Fighting, Oil & Gas, Military, Aviation and Maritime industries, Oil Technics Ltd have been providing reliable laboratory testing services for over 30 years.

Based in modern purpose built facilities in the UK and with laboratories in West Africa and the Far East, we can provide:

- World class products & services
- Dedicated Technical Support
- 24/7 emergency call out
- ISO 9001: 2015 & ISO 14001: 2015 accreditation



The need for testing

International fire safety standards NFPA 11: 2021, BS EN 13565-1: 2019 and BS EN 13565-2: 2018 recommend that both foam concentrates and produced foams should be tested regularly to ensure they meet their required specifications and are fit for purpose.

Foam Concentrates

High quality foam concentrates are very stable and suitable for long-term storage, with most reputable foam concentrate manufacturers offering at least a 10-year lifespan for products correctly stored in unopened containers.

However, it is still recommended that:

“ At least annually, an inspection shall be made of foam concentrates... for evidence of excessive sludging or deterioration. Samples of concentrates shall be sent to the manufacturer or qualified laboratory for quality condition testing. ”

NFPA 11, 2021 Edition, 13.2.6.1 and 13.2.6.2

Testing regularly helps ensure your foam hasn't been:

- **compromised by extremes of temperature**
- **contaminated during storage**

Produced Foam

Foam proportioning systems are reliable and are subject to regular rigorous inspections and maintenance.

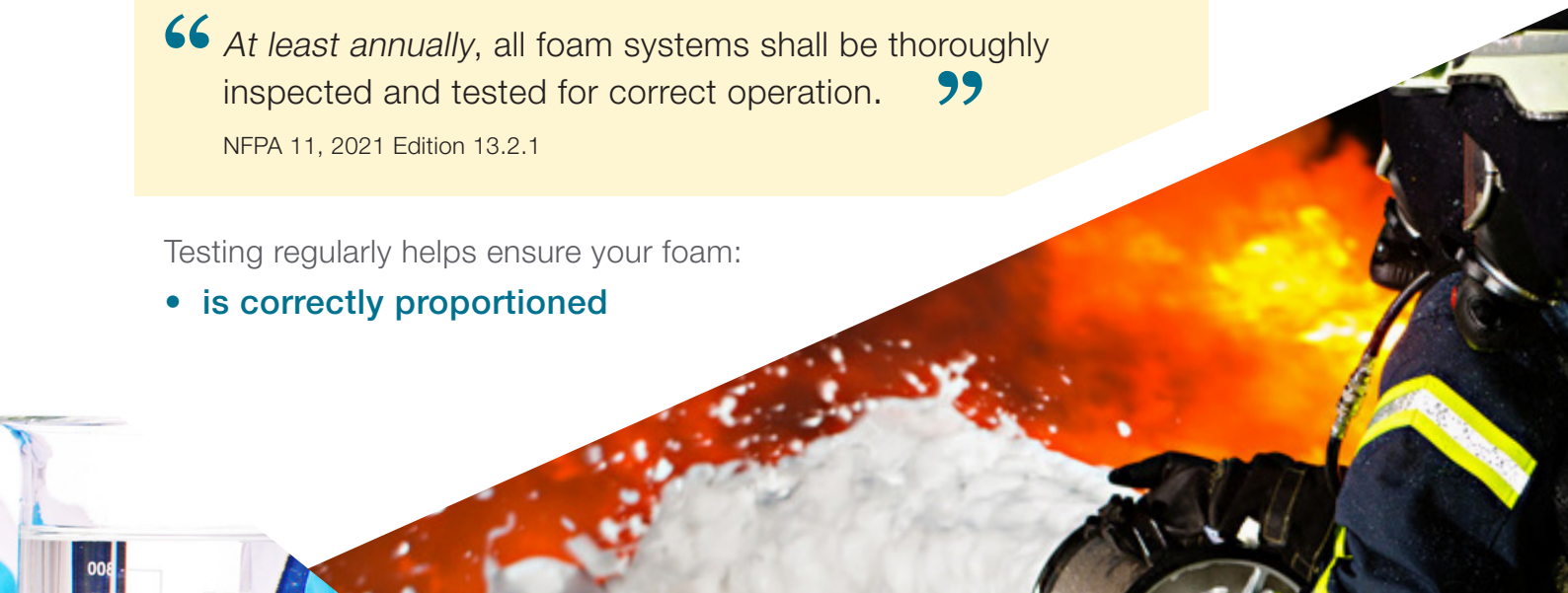
However, it is still recommended that:

“ At least annually, all foam systems shall be thoroughly inspected and tested for correct operation. ”

NFPA 11, 2021 Edition 13.2.1

Testing regularly helps ensure your foam:

- **is correctly proportioned**



Testing services

Our Foam Testing Laboratory has been providing a trusted and reliable service to the fire fighting industry for over thirty years.

With a dedicated professional team, your samples will be checked on receipt and testing carried out with your report sent to you within 5 working days.

Full technical support is available from our laboratory team and our comprehensive website providing useful advice and supporting information at your fingertips.

- 24 hour priority service or standard 5 day turnaround
- Heliport sample collection (Aberdeen only)
- Clear, plainly written reports
- Dedicated Technical Support

To help with your samples, we also offer:

• Foam Sampling Kits

Containing labelled bottles, sealing bags, addressed return mailing bag and full instructions, the Foam Sampling Kits has everything you need to successfully return your samples!

• Sample Collection Service

Customers who can't easily return their samples can choose our collection service - simply tell us when your samples are ready and where they are, and we'll do the rest!



What we test

We offer three types of foam testing service to suit your requirements:

Produced Foam



Determines the suitability and accuracy of a foam system's proportioning and induction equipment.

Each Produced Foam Test Report shows the calculated % induction of the sample provided. The result is compared against the acceptable parameters quoted in internationally recognised Foam Standards:

- NFPA 11: 2021
- BS EN 13565-1: 2019

Foam Concentrate



Evaluates if the sample tested is in satisfactory condition and is within the manufacturer's specification.

Each Foam Concentrate Test Report offers analysis of 10 key features:

- Appearance
- Sedimentation
- Expansion Rate
- Extinguishment & Burnback tests*
- Specific Gravity
- Surface Tension
- 25% Drainage
- Viscosity
- pH
- Freeze Point

IMO Foam Concentrate IMO MSC.1/Circ.1312 2009



IMO Testing is required by many maritime administrations and classification bodies to be done periodically on foam concentrates stored on board ships in international waters.

Each IMO Foam Concentrate Test Report offers analysis of 9 key features:

- Appearance
- Kinematic Viscosity
- Expansion Rate
- Extinguishment
- Sedimentation
- Density
- 25% Drainage
- Resistance to solvents
- pH

“ Periodical control of foam concentrates... should be carried out at laboratories or authorized service suppliers... every year. ”

IMO MSC.1/Circ.1312, 2009 Paragraphs 4&5

*Extinguishment tests carried out on Synthetic foams and Burnback on Protein-based foams.

Field testing kits

To ensure accurate and consistent results, we would always recommend that Foam Testing is conducted under laboratory conditions. However, we understand sometimes you may not have access to a trusted Foam Laboratory: for these occasions we offer Foam Tests Kits for use 'in the field'.

Our field kits are specifically designed to enable fire safety professionals to check on-site the specifications of their stored foam. Packed within purpose-built, robust travel cases they include all the equipment you need to take a reliable foam test, as well as easy to use step-by-step manuals.

Foam Concentrate Test Kits



Designed to test a Foam Concentrates physical properties and ensure it is within the manufacturer's specifications.

Evaluates a Foam Concentrate's:

- Specific Gravity
- Induction percentage
- Expansion Rate
- 25% Drainage

Produced Foam Test Kits



Designed to test a Produced Foam's percentage induction.

Suitable for testing to International Standards:

- NFPA 11: 2021
- BS EN 13565-1: 2019

Foam Test Equipment

We also offer ancillary products to help with your testing:

- NFPA 11 Foam Collection Tripod
- NFPA 11 Foam Collection Cylinder
- NFPA 11 Foam Collection Stand
- NFPA 11 Foam Collection Board



How quickly will I receive my report?

Our turnaround for **Foam Concentrate** and **Produced Foam Test Reports** is within:

- 24 hour priority service
- 5 working days standard service

For an **IMO Foam Concentrate Test Report** please allow 10 working days.

These timescales are given from receipt of correct samples.

What samples are needed?

Each **Foam Concentrate Test Report** requires:

- 1 Litre of Foam Concentrate

Each **IMO Foam Concentrate Test Report** requires:

- 2 Litres of Foam Concentrate

Each **Produced Foam Test Report** requires:

- 1 Litre of Foam Concentrate
- 1 Litre of Induction Water
- 0.5 Litre of Produced Foam

How should I label my samples?

Please make sure each sample is labelled with the following information:

- Company Name
- Concentration, eg 1%
- Sample source
- Foam manufacturer
- Order Reference / Purchase Order Number
- Type of foam concentrate
- Sample location point
- Date of sample collection

Blank sample bottle labels are available to download from www.foamtesting.com

Where do I send my samples?

Ensure your samples are in clean, tightly closed bottles, preferably sealed inside a bag to prevent spillage, and in suitable packaging. Once they are ready, send your sample(s) to:

FAO Foam Testing Laboratory
Oil Technics (Fire Fighting Products) Ltd
Linton Business Park, Gourdon,
Aberdeenshire, Scotland, UK DD10 0NH

Alternatively, use our Sample Collection Service: contact us for more details.

For information
and resources to help
take, label and return your
samples, visit www.foamtesting.com

Who we are

Based in Scotland, Oil Technics (Fire Fighting Products) Ltd. has been manufacturing Firefighting Foam concentrates for the Oil & Gas, Military, Maritime, Fire Response and Aviation industries for over 30 years.

From our modern, purpose-built facilities, we also offer independent foam testing laboratory services.

We are proud to be ISO 9001:2015 and ISO 14001:2015 accredited.

What we offer

- Foam Testing Services
- Training Courses
- Dedicated 24/7 Technical Support
- Emergency call out
- Fire Fighting Foam Concentrates

Your local distributor:

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