



A Tyco International Company

FOAM ANALYSIS REQUEST

FROM:

COMPANY NAME:
STREET/P.O. BOX:
ADDRESS:
CITY: STATE: ZIP:
ATTN:
DATE SHIPPED: E-MAIL:
PHONE: FAX:

SHIP TO:

TYCO FIRE PROTECTION PRODUCTS
ATTENTION: ANSUL AGENTS LABORATORY
RECEIVING STATION NO. 6
2700 INDUSTRIAL PARKWAY SOUTH
MARINETTE, WI 54143-2542
PHONE: +1 715-732-3600

PAYMENT OPTIONS: (Information Required)

Check No. for \$ enclosed
Purchase Order No.
Visa/MasterCard/American Express No.
Expiration Date Security Code
Cardholder Name

(1) PROVIDE ALL DATA AVAILABLE MSDS Included? (2) TESTING REQUESTED: (Check one) Standard Quality Proportioning Coast Guard Requirements

NOTE: SAMPLES WITH INCOMPLETE INFORMATION WILL NOT BE ANALYZED.

Table with columns: Sample No., CONCENTRATE % REQUIRED (1, 3, or 6) [Protein, F. Protein, AFFF, Alcohol, Other], Premix %, Lot No., Manufacturer\* and Date, Tank/Location, SAMPLE SOURCE [Circulated, Mixture, Top, Bottom], Date Sampled.

Use additional request forms for more than 8 samples or a separate sheet listing pertinent data.

\*ANSUL Agents Laboratory is capable of analyzing any manufacturer's foam products as long as Material Safety Data Sheet is provided.

- SEE REVERSE SIDE FOR COMPLETE INSTRUCTIONS -

### SECTION (3) SAMPLE SIZE REQUIREMENTS

- A. Concentrates: 500 ml (16 oz) minimum of each sample. Concentrate percentage MUST be included. No analyses will be conducted without this value. DO NOT ESTIMATE.
- B. Premixes: 1000 ml (1 qt) to 2000 ml (1/2 gallon) (usually found in twin-agent or wheeled units).
- C. Proportioning: 500 ml (16 oz) each of foam concentrate and foam/water mixture produced by the system, and 1000 ml (1 qt) of H<sub>2</sub>O used in the system.

### SECTION (4)

The product viability recommendations can only be based upon analysis results of the samples received. Hence, no statements of quality are intended to include any product other than that which is received by ANSUL for testing. **The ANSUL Agents Laboratory makes no express or implied warranty of product viability or implied warranty of fitness for a particular purpose.** Analysis results will be sent upon completion of testing.

### SECTION (5) CHARGES

Foam concentrate viability (physical testing, foam quality, and fire performance): \$150.00

Proportioning: \$150.00

Normal processing of samples requires ten (10) working days from receipt of sample. Two-day express evaluation is available for an additional \$100.00 charge.

Unless otherwise specified, results will be returned via regular mail.



*by Tyco Fire Suppression & Building Products*

## FOAM ANALYSIS REQUEST FORM AND SAMPLING PROCEDURES

### SECTION (1) GENERAL SAMPLING

- A. Samples need to be representative of the contents in the storage tank or container. Circulate the tank contents if possible to ensure a uniform sample. Label sample as "Circulated." If circulation is not possible, grab equal volumes of sample from both the top and bottom of the tank, and blend together before submitting. Label sample as "Mixture of Top and Bottom." If only a top or a bottom sample can be obtained, label sample as "Top" or "Bottom." **Note:** Allow sufficient concentrate to flush through piping before sampling to ensure a representative sample.
- B. Use plastic bottles only with leak-resistant caps. Tape the cap with plastic tape, such as electrical tape. DO NOT USE MASKING TAPE OR SCOTCH TAPE. See Section (3) for required sample size.
- C. Label all samples. Cover label with clear plastic tape to prevent damage from possible container leakage.
- D. Record all pertinent data on the FOAM ANALYSIS REQUEST form. List concentrate percentage in the appropriate product-type column. Provide manufacturer's data if known and sample source: Provide Material Safety Data Sheet (MSDS). Number all samples to identify source. Retain a copy of the completed form for your records.  
**Note:** Due to the volume of samples received, we cannot analyze any samples with incomplete information. It is the sender's responsibility to provide the ANSUL Agents Laboratory with complete description and sufficient quantity (see sample size requirements, Section (3)) to ensure completion of all analytical work in a timely manner.
- E. Package to protect samples during shipment, and send to ANSUL Agents Laboratory.

### SECTION (2) TESTING REQUESTED

- A. Standard Quality Analysis: Quality evaluation performed as part of yearly inspection includes pH, density, viscosity (if applicable), refractive index (if applicable), foam quality, and fire performance.
- B. Proportioning Verification: Performed when proportioning-system performance must be verified. Consists of refractive index comparison curve for percentage determination.
- C. Coast Guard Requirements: Includes Standard Quality Analysis with the addition of sedimentation testing. Used for port entry/exit of ships.