

SAMPLE TEST RESULTS

REPORT FOR: XYZ Sprinkler Company
2357 VENTURA DR
STE 108
SAINT PAUL MN 55125

PO: 12345678
Job ID: Example IMO Foam Report, IMO 1234567

Job Number: 17803
Date Received: 12/17/2024
Report Date: 12/26/2024
Page: 1 of 2

Sample Information	Test	Method (LBTR-)	Requirement	Test Value	Test Result
Sample Number: 1 Sample ID: 1 System Volume: 200 gallons Manufacturer: Not Specified Product: 2% High Expansion Foam - IMO (Unspecified) Type: 2% High expansion Lot Number: Not Specified Date Purchased: Not Specified Tank Type: Bladder Tank Sampling Point: Top	<u>Physical Properties</u>				
	Appearance	3001	Not Specified	Dark brown liquid	Info Only
	Refractive Index*	3006	Not Specified	1.3500	Info Only
	Density, g/ml*	3044	Not Specified	1.005	Info Only
	<u>Performance Properties</u>				
	pH*	3003	6.0-9.5	7.0	Pass
	Sediment, %	3033	0.25 Maximum	0.05	Pass
	Sediment Dispersion	3033	Dispersed	Dispersed	Pass
	High Expansion Ratio*	3023	400 Minimum	800	Pass
	50% Drain Time, min:sec*	3023	2:00 Minimum	4:00	Pass
	Est. Dilution %, Fresh Water	3058	Ideally 0%	0	Info Only
	Est. Dilution %, Sea Water	3058	Ideally 0%	0	Info Only
	<u>Interpretations</u>				
	Overall Result		Pass	Pass	Pass

Comments:

This 2% high expansion foam concentrate sample was tested as required by IMO MSC.1/Circ. 1432, dated 31/5/2012, section 7.4.9 (modifications made by Dyne to MSC.1/Circ. 1312 and 670 methods to improve reproducibility) and USCG CFR Title 46.I.D.31.10-18.c (concentrate certification requirement only). This sample met the performance requirements. The product represented by this sample shall be listed for use in the corresponding system/application and must be resampled and tested at least annually.

Alyssa Dunn

Alyssa Dunn, Lab Manager

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Sample Information	Test	Method (LBTR-)	Requirement	Test Value	Test Result
Sample Number: 2 Sample ID: Longest Sample System Volume: Not Specified Manufacturer: Not Specified Product: 3/3% AR-AFFF - IMO (Unspecified) Type: 3/3% AR-AFFF Lot Number: Not Specified Date Purchased: Not Specified Tank Type: Bladder Tank Sampling Point: Bottom	<u>Physical Properties</u>				
	Appearance	3001	Not Specified	Visc. amber	Info Only
	Refractive Index*	3006	Not Specified	1.3500	In Spec
	Density, g/ml*	3044	Not Specified	1.020	In Spec
	Viscosity, cps* (S4,30 RPM)	3005	Not Specified	2000	In Spec
	<u>Performance Properties</u>				
	pH*	3003	6.0-9.5	7.0	Pass
	Sediment, %	3033	0.25 Maximum	0.10	Pass
	Sediment Dispersion	3033	Dispersed	Dispersed	Pass
	Expansion Ratio*	3020	4.5 Minimum	5.0	Pass
	25% Drain Time, min:sec*	3020	6:30 Minimum	8:00	Pass
	Film Formation, sec	3020	60 Maximum	5	Info Only
	Film Seal on Cyclohexane*	3020	Flash or No Ignition	No Ignition	Info Only
	Spreading Coefficient, dynes/cm*	3039	Positive Number	2.0	Pass
	IPA Burn-back Test, sec	3022	54 Minimum	80	Pass
	Acetone Stability, sec	3046	120 Minimum	140	Pass
	Est. Dilution %, Fresh Water	3058	Ideally 0%	0	Info Only
	Est. Dilution %, Sea Water	3058	Ideally 0%	0	Info Only
	<u>Interpretations</u>				
	Overall Result		Pass	Pass	Pass

Comments:

This 3/3% AR-AFFF concentrate sample was tested as required by IMO MSC.1/Circ. 1432, dated 31/5/2012, section 7.4.9 (modifications made by Dyne to MSC.1/Circ. 1312 and 670 methods to improve reproducibility) and USCG CFR Title 46.I.D.31.10-18.c (concentrate certification requirement only). This sample met the performance requirements. The product represented by this sample shall be listed for use in the corresponding system/application and must be resampled and tested at least annually.

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