

# **SAFEGUARD FIRE PROTECTIONS PVT. LTD**

Report No.-13  
Date: 07.11.2025

## **INTERNAL TEST REPORT OF AQUEOUS FILM FORMING FOAM (AFFF)**

### **Product details:**

Product & type	AFFF 3%,	Mfg. dt.	11/2025	Batch No.	UL/AF/C6/3/13
Product Brand	SAFEGUARD BIOSOLV <sup>6</sup> AFFF, Type 3			Date of test	07.11.2025

### **Chemical & Physical requirements**

Test Temperature: 20±2°C

Sl.No	Property	Test result	Requirement as per UL-162:2018	
			Minm.	Maxm.
01.	pH	7.75	-	-
02.	Specific Gravity	1.01	-	-
03.	Spreading co-efficient (Film forming test)(dynes/cm)	3.4	>0	-

### **Performance requirements**

Test Temperature: 20±2°C

Sl.No	Property	Test result	Requirement as per UL-162:2018	
			Minm.	Maxm.
01.	Expansion with fresh water using 2 gpm nozzle	8.95	-	-
	Expansion with syn. sea water using 2 gpm nozzle	8.18	-	-
02.	25% drainage time with fresh water	122 sec	-	-
	25% drainage time with syn sea water	118 sec	-	-
03.	Fire test with fresh water using 2 gpm nozzle			
	i. Extinction	1 min 57 sec	-	3 minutes
	ii. Torch test	Passes	9 mint	-
	iii. Burn back	Passes	Fire shall not spread more than 10 square ft.in 5 minutes	
04.	Fire test with syn sea water using 2 gpm nozzle			
	i. Extinction	2 min 03 sec	-	3 minutes
	ii. Torch test	Passes	9 mint	
	iii. Burn back	Passes	Fire shall not spread more than 10 square ft.in 5 minutes	
05.	Fire test with sprinklers			
	i. Extinction	45 sec	-	5 minutes
	ii. Torch test	Passes	10 mint	
	iii. Burn back	Passes	Fire shall not spread more than 10 square ft.in 5 minutes	

**Remark:** The product passes above requirements as per UL 162.

**For Safeguard Fire Protections Pvt. Ltd.**



**(Quality Control)**