



Date: 19.08.2025.

TEST - CERTIFICATE**PRODUCT : "KV-LITE AR-AFFF 3X6% - C6 "**
(ALCOHOL RESISTANT-AQUEOUS FILM FORMING FOAM 3X6%)

Batch No. : 2508/657

Test Report No. : 12

Batch Size : 1501 Ltrs

Month of Mfg. : Aug - 2025

Month of Exp. : July - 2035

Tested as per IS 4989 : 2018 standard

B.I.S. Licence No. : CM/L : 0002277962

Sl. No.	TESTS & ANALYSIS	SPECIFIED VALUES		OBSERVATIONS
		MIN	MAX	
A)	Physical and Chemical Requirements at 27 +/- 5°C			
i)	Visual examination	Shall not show any sedimentation or stratification		No sedimentation / stratification observed
ii)	*Freezing and thawing	Shall not show any sedimentation or stratification		No sedimentation / stratification observed
iii)	pH -Original	6.5	8.5	7.30
iv)	*pH - Ageing	6.5	8.5	7.28
v)	Specific gravity - Original	0.9	1.10	1.022
vi)	*Specific gravity- Ageing	0.9	1.10	1.020
vii)	*Viscosity	-	2000 cps	929 cps
viii)	Pour point	Freely move at 0°C or below		Flows freely at 0°C
ix)	Surface tension	-	18 dynes/cm	17.7 dynes/cm
x)	Spreading coefficient	3 dynes/cm	-	3.8 dynes/cm
B)	Fire Performance Requirements at 27 +/- 5°C			
i)	*Expansion	6	10	7.61
ii)	*25 Percent drainage time	180 sec	-	344 Sec
iii)	*Fire test on hydrocarbon fires(non-polar)			
a)	Fire control time- Potable/Sy sea water	-	2 min	52 sec / 48 sec
b)	Fire extinction time - Potable/Sy sea water	-	3 min	01 min 50 sec / 01 min 46 sec
c)	Sealability / Film forming - Potable/Sy sea water	To pass the test		Passes / Passes
d)	Burn back - Potable/Sy sea water	5 min	-	07 min 55 sec / 07 min 42 sec
iv)	*Fire test on polar solvent fires			
a)	Fire control time- Potable/Sy sea water	-	3 min	01 min 20 sec / 01 min 12 sec
b)	Fire extinction time - Potable/Sy sea water	-	5 min	02 min 18 sec / 02 min 06 sec
c)	Sealability / Film forming - Potable/Sy sea water	To pass the test		Passes / Passes
d)	Burn back - Potable/Sy sea water	5 min	-	07 min 58 sec / 07 min 45 sec

Remarks : 1. * Type tests carried out as per IS 4989 : 2018 standard.**2.** As per the analysis the product passes all above tests & conforms to IS 4989 : 2018 standard.**3.** *Viscosity tested by Brookfield viscometer.

Prepared by :

G.R.N.No. 004994

Date :- 22.11.2025

Invoice No : KV61143725-28

Date : 14.11.2025

Q.C. Pass

Approved by :

Form # Q04-1/TC/ 14 (06/21)

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