



Date: 05.04.2026.

TEST - CERTIFICATE

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

Batch No. : 2604/340

Batch Size : 1501 Ltrs

Test Report No. : 06

Month of Mfg. : Apr-2026

Month of Exp. : Mar-2036

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	7.23
iv)	*pH - Ageing	6.5	8.5	7.24
v)	Specific gravity - Original	0.9	1.10	1.018
vi)	*Specific gravity- Ageing	0.9	1.10	1.016
vii)	*Viscosity	-	2000 cps	879 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	7.62
ii)	*25 Percent drainage time	180 sec	-	352 Sec
iii)	*Fire test on hydrocarbon fires(non-polar)			
a)	Fire control time- Potable/Sy sea water	-	2 min	58 sec / 49 sec
b)	Fire extinction time - Potable/Sy sea water	-	3 min	01 min 57 sec / 01 min 48 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 45 sec / 07 min 36 sec
iv)	*Fire test on polar solvent fires			
a)	Fire control time- Potable/Sy sea water	-	3 min	01 min 31 sec / 01 min 23 sec
b)	Fire extinction time - Potable/Sy sea water	-	5 min	02 min 18 sec / 02 min 07 sec
c)	Sealability / Film forming - Potable/Sy sea water	To pass the test		Passes / Passes
d)	Burn back - Potable/Sy sea water	5 min	-	08 min 22 sec / 07 min 57 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.

G.R.N.No. 00211

Date : 10/04/2026

Prepared by :

Invoice No : kv6002812027

Date : 07/04/2026

Q.C. Pass

KV Fire Chemicals (India) Pvt. Ltd.



Approved by :

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

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