National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : FT TEST LAB, FOAMTECH ANTIFIRE COMPANY, PLOT NO-153, KL, SECTOR -53, EPIP KUNDLI, SONIPAT, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6156 **Page No** 1 of 10

Validity 18/10/2021 to 17/10/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Rate of Flow/ Free Flowing test	IS 4308 Annex G
2	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Apparent Density / Bulk Density	IS 4308, Annex A, UL 299C Annex A, EN 615 Annex A, ISO 7202 Clause 13.1 to 13.1.2 2
3	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Elevated temperature test/ Resistance to caking and lumping	UL 299C Cl8/ EN 615 AnnexC/ ISO 7202 Cl 13.5.1 to 13.5.2
4	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Fire test performance	i. 2A- 15683, ii. 1A UL 299C Clause 11 & Sec7 Ul -711,iii. 8A EN3,iv. 2A -ISO 7202 Cl 13.3.1 to 13.3.1.2
5	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Fire test performance	i. 55 B - IS15683, ii. 5B & 20B- UL 299C, Cl 11 Sec8 UL711[Application density test] ,iii 55B - EN3 & ISO 7202 Cl13.3.1 to 13.3.1.2
6	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Fire test performance for Class D powder	IS 4308Annex J
7	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Foam Compatibility	IS 4308 Annex H, EN 615 Annex K, ISO 720 Annex A
8	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Hygroscopicity/ Moisture absorption testing	IS 4308 Annex D, UL 299 C Cl 9/ ISO 7202, Cl.13.6.1 to 13.7.1
9	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Moisture content	IS 4308 Annex F, EN 615 Annex E, ISO 7202 Cl.13.7.1 to 13.7.2
10	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Particle size distribution / sieve analysis/ % retained on 100 Mesh	IS 4308 Annex C, UL 299C Annex EN 615 Annex B, ISO 7202 Cl 13.2.1 to 13.2.2.1.2nex B

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11	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Particle size distribution / sieve analysis/ % retained on 120 Mesh	IS 4308 Annex C, UL 299C Annex EN 615 Annex B, ISO 7202 Cl 13.2.1 to 13.2.2.1.2nex B
12	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Particle size distribution / sieve analysis/ % retained on 140 Mesh	IS 4308 Annex C, UL 299C Annex EN 615 Annex B, ISO 7202 Cl 13.2.1 to 13.2.2.1.2nex B
13	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Particle size distribution / sieve analysis/ % retained on 200 Mesh	IS 4308 Annex C, UL 299C Annex EN 615 Annex B, ISO 7202 Cl 13.2.1 to 13.2.2.1.2nex B
14	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Particle size distribution / sieve analysis/ % retained on 230 Mesh	IS 4308 Annex C, UL 299C Annex EN 615 Annex B, ISO 7202 Cl 13.2.1 to 13.2.2.1.2nex B
15	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Particle size distribution / sieve analysis/ % retained on 270 Mesh	IS 4308 Annex C, UL 299C Annex EN 615 Annex B, ISO 7202 Cl 13.2.1 to 13.2.2.1.2nex B
16	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Particle size distribution / sieve analysis/ % retained on 325 Mesh	IS 4308 Annex C, UL 299C Annex EN 615 Annex B, ISO 7202 Cl 13.2.1 to 13.2.2.1.2nex B
17	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Particle size distribution / sieve analysis/ % retained on 40 Mesh	IS 4308 Annex C, UL 299C Annex EN 615 Annex B, ISO 7202 Cl 13.2.1 to 13.2.2.1.2nex B
18	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Particle size distribution / sieve analysis/ % retained on Bottom pan	IS 4308 Annex C, UL 299C Annex EN 615 Annex B, ISO 7202 Cl 13.2.1 to 13.2.2.1.2nex B
19	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Temperature resistance test / packed chamber test / Residual mass after discharge or effective discharge time	IS 4308 Annex K, UL 299C Cl.10, EN 615 Aneex J
20	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP based],BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Water repellency	IS 4308 Annex E, UL 299C Annex A, EN 615 Annex D, ISO 7202 Cl.13.6.1 to 13.6.2
21	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	ABC [MAP]	Measurement Chemical Content	IS 4308 Annex A

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
22	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Foam Quality - Expansion	LASTFIRE FIRE TEST SPECIFICATION REVISION D & LASTFIRE FIRE TEST SPECIFICATION WATER MISCIBLE FUELS REVISION A MAY 2015 VI
23	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Fire performance test	LASTFIRE FIRE TEST SPECIFICATION REVISION D & LASTFIRE FIRE TEST SPECIFICATION WATER MISCIBLE FUELS REVISION A MAY 2015 VI
24	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Foam Quality - 25% Drainage Time	LASTFIRE FIRE TEST SPECIFICATION REVISION D & LASTFIRE FIRE TEST SPECIFICATION WATER MISCIBLE FUELS REVISION A MAY 2015 VI
25	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%,	Viscosity	Sl. No. iv of Table 2 of IS 1206 (Part 3), Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007, Defence specification no. JSS 4210-27:2014/ Airport Services Manual Part 1 Rescue and Fire Fighting Doc 9137-AN/898 Part 1Clause 8.1.5/ IMO MSC.1/Circ.1312 Clause 3.4
26	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	25% Drainage Time / 50% Drainage Time	IS 4989 Annex J/ EN 1568 – 3 Annex G/ UL 162 Cl. 10.1.1 (b), 10.3, Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007, Defence specification no. JSS 4210-27:2014/Airport Services Manual Part 1 Rescue and Fire Fighting Doc 9137-AN/898 Part 1Clause 8.1.7/ IMO MSC.1/Circ.1312 Clause 3.7

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
27	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Burn Back Time / 25% re ignition time	IS 4989 Annex K/ EN 1568 – 3&4 Annex H/UL -162 Cl. 12. 3 to 12.4, , Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007, Defence specification no. JSS 4210-27:2014/ Airport Services Manual Part 1 Rescue and Fire Fighting Doc 9137-AN/898 Part 1Clause 8.1.8/ IMO MSC.1/Circ.1312 Clause 3.9.1 to 3.9.7
28	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Expansion / Expansion Factor	IS 4989 Annex J/ EN 1568 – 3 Annex G/ UL 162 Cl. 10.1.1 (b), 10.3, Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007, Defence specification no. JSS 4210-27:2014/Airport Services Manual Part 1 Rescue and Fire Fighting Doc 9137-AN/898 Part 1Clause 8.1.7/ IMO MSC.1/Circ.1312 Clause 3.7
29	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Fire Control & Extinction Time	IS 4989 Annex K/ EN 1568 – 3&4 Annex H/UL -162 Cl. 12. 3 to 12.4, , Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007, Defence specification no. JSS 4210-27:2014/ Airport Services Manual Part 1 Rescue and Fire Fighting Doc 9137-AN/898 Part 1Clause 8.1.8/ IMO MSC.1/Circ.1312 Clause 3.9.1 to 3.9.7
30	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Freezing and Thawing Test	IS 4989 Annex A-2, EN 1568-3 Annex E, IMO MSC.1/Circ.1312 Clause

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31	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Inter facial Tension	IS 4989 Annex G / UL -162 Cl.7.1,7.2,7.3,7.4 & 7.5, Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007, Defence specification no. JSS 4210-27:2014/ IMO MSC.1/Circ.1312 Clause 3.6
32	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Miscibility with Distilled water & Synthetic Sea Water	IS 4989 Annex D, Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007, Defence specification no. JSS 4210-27
33	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Pour point / Freezing point	IS 4989
34	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Sealabilty / Torch Test	IS 4989 Annex K / UL -162 Cl. 12.5.4, Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007
35	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Sludge content / Sediment / Sedimentation	IS 4989 Annex F / EN 1568 - 3 Annex C, Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007, Defence specification no. JSS 4210-27:2014/ Airport Services Manual Part 1 Rescue and Fire Fighting Doc 9137-AN/898 Part 1Clause 8.1.5/ IMO MSC.1/Circ.1312 Clause 3.3
36	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Spreading Co-efficient / Film Forming Test	IS 4989 Annex G / UL -162 Cl.7.1,7.2,7.3,7.4 & 7.5, Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007, Defence specification no. JSS 4210-27:2014/ IMO MSC.1/Circ.1312 Clause 3.6

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37	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Surface Tension	IS 4989 Annex G / UL -162 Cl.7.1,7.2,7.3,7.4 & 7.5, Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007, Defence specification no. JSS 4210-27:2014/ IMO MSC.1/Circ.1312 Clause 3.6
38	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6,	pH Value	IS 4989 Annex B/ EN 1568 - 3 Cl. 7, Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007/ Defence specification no. JSS 4210-27:2014, Airport Services Manual Part 1 Rescue and Fire Fighting Doc 9137-AN/898 Part 1Clause 8.1.5 / IMO MSC.1/Circ.1312 Clause 3.5
39	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6,	Visual examination	IS 4898
40	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6, High & Medium Expansion Foam Conentrate Type 1, Type 3 & Type 6, K Type Foam / Kitchen Fire Chemical , Oil Spill Dispersant	Specific Gravity/ Density / Volumic Mass	IS 4989 Annex C , Defence specification no. IND/CQAFE/PROV/0055 (c) -2008, Defence specification no. IND/CQAFE/PROV/0196(a) -2007/ Defence specification no. JSS 4210-27
41	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6, High & Medium Expansion Foam Conentrate Type, Type 3 & Type 6, K Type Foam / Kitchen Fire Chemical , Oil Spill Dispersant	Refractive Index / Brix %	FACL/SOP/BVM/01, Issue no. 01
42	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AFFF 1%, AFFF 3%, AFFF 6%, FFFP3%, FFFP 6%,FP 3%, FP 6%, PF 3%, PF 6%, Synthetic Class A Wetting Agent SF 1%, SF3%, SF6%, AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6, High & Medium Expansion Foam Conentrate Type, Type 3 & Type 6, K Type Foam / Kitchen Fire Chemical , Oil Spill Dispersant	Toxicity LC 50	APHA 23rd Edition

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43	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Alcohol Resistant GREEN FOAM / Alcohol Resistant Fluorine Free Foam Concentrate 1/3%/3/3%/3/6%	25% Drainage Time	Clause 10 UL-162, Annex J IS 4989
44	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Alcohol Resistant GREEN FOAM / Alcohol Resistant Fluorine Free Foam Concentrate 1/3%/3/3%/3/6%	Expansion	Clause 10 UL-162, Aneex J IS 4989
45	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Alcohol Resistant GREEN FOAM / Alcohol Resistant Fluorine Free Foam Concentrate 1/3%/3/3%/3/6%	Fire Control Time, Extinction Time, Burn Back Torch Test - Sealability	Clause 12 UL-162, Annex K & M IS 4989
46	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Alcohol Resistant GREEN FOAM / Alcohol Resistant Fluorine Free Foam Concentrate 1/3%/3/3%/3/6%	Specific Gravity	Annex C IS 4989
47	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Alcohol Resistant GREEN FOAM / Alcohol Resistant Fluorine Free Foam Concentrate 1/3%/3/3%/3/6%	Viscosity	FACL/SOP/BVM/01
48	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Alcohol resistant GREEN FOAM / Alcohol Resistant Fluorine Free Foam Concentrate 1/3%/3/3%/3/6%	pH Value	Annex B IS 4989
49	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	AR AFFF 1X3, AR AFFF 3X3, AR AFFF 3X6, AR FFFP3X3, AR FFFP3X6, AR FP 3X3, AR FP 3X6	Viscosity	FACL/SOP/BVM/01, Issue no. 01
50	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	BC [Sodium Bicarbonate & Potassium Bicarbonate based], UPBC [Urea & Potassium bicarbonate reaction potassium allophonate based] Purple K [Potassium Bicarbonate based]	Chemical Content	IS 4308 Annex A
51	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	D Class Metal Fire [TEC based]	chemical content	IS 4308 Annex A
52	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Drill Foam	Flash Point	FACL/SOP/FPA/01
53	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Drill Foam	Foam Stability	IS 5785 Part III
54	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Drill Foam	pH	Annex B IS 4989
55	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Drill Foam	Sp. Gravity	Annex C IS 4989

SCOPE OF ACCREDITATION

Laboratory Name : FT TEST LAB, FOAMTECH ANTIFIRE COMPANY, PLOT NO-153, KL, SECTOR -53, EPIP KUNDLI, SONIPAT, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
56	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	GREEN FOAM / Fluorine Free Foam Concentrate 1%/3%/6%	25% Drainage Time	Clause 10 UL-162, Annex J IS 4989
57	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	GREEN FOAM / Fluorine Free Foam Concentrate 1%/3%/6%	Expansion	Clause 10 UL-162, Annex JIS 4989
58	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	GREEN FOAM / Fluorine Free Foam Concentrate 1%/3%/6%	Fire Control Time, Extinction Time, Burn Back & Torch - Sealability test	Clause 12 UL-162, Annex M IS 4898
59	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	GREEN FOAM / Fluorine Free Foam Concentrate 1%/3%/6%	Specific Gravity	Annex C IS 4989
60	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	GREEN FOAM / Fluorine Free Foam Concentrate 1%/3%/6%	Viscosity	FACL/SOP/BVM/01
61	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Green Foam Concentrate / Fluorine Free Foam Concentrate 1%/3%/6%	pH Value	Annex B IS 4989
62	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	HAZMAT Foam Concentrate	25% & 50% Drainage Time	EN 1568 -1 & 2
63	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	HAZMAT Foam Concentrate	Expansion	EN 1568-1 & 2
64	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	HAZMAT Foam Concentrate	Freezing & Thawing Test	IS 4989
65	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	HAZMAT Foam Concentrate	Miscibility with water	IS 4989
66	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	HAZMAT Foam Concentrate	pH Value both Original & ageing	IS 4989
67	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	HAZMAT Foam Concentrate	Specific Gravity	IS 4989
68	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	HAZMAT Foam Concentrate	Viscosity	FACL/SOP/BVM/01
69	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	High & Medium Expansion Foam Concentrate Type 1, Type 3 & Type 6	Surface Tension	EN 1568-1&2 ANNEX F

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
70	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	High & Medium Expansion Foam Concentrate Type 1, Type 3 & Type 6	Pour Point / Freezing Point	IS 4989
71	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	High & Medium Expansion Foam Concentrate Type 1, Type 3 & Type 6	Sediment/ Sludge Content / Sedimentation	IS 4989 Annex F /EN 1568 – 1 & 2 Annex C IMO MSC/Circ.670 Clause 3.3/ IMO MSC/Circ.798 Clause 3.3
72	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	High & Medium Expansion Foam Conentrate Type 1, Type 3 & Type 6	25% Drainage Time / 50% Drainage Time for HX & MX	EN 1568 - 1 & 2 Annex G IMO MSC/Circ.670 Clause 3.6 to 3.7/ IMO MSC/Circ.798 Clause 3.6 to 3.7
73	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	High & Medium Expansion Foam Conentrate Type 1, Type 3 & Type 6	Burn Back Time	EN 1568 Part 1 & 2 Annex H
74	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	High & Medium Expansion Foam Conentrate Type 1, Type 3 & Type 6	Expansion / Expansion factor/ Frothing factor	EN 1568 - 1 & 2 : 2018 Annex G IMO MSC/Circ.670 Clause 3.6/ IMO MSC/Circ.798 Clause 3.6: 2018
75	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	High & Medium Expansion Foam Conentrate Type 1, Type 3 & Type 6	Fire Control & Extinction time testing	EN 1568 Part 1& 2 Annex G
76	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	High & Medium Expansion Foam Conentrate Type 1, Type 3 & Type 6	Freezing & Thawing	EN 1568 – 1 & 2 :2018 Annex E IMO MSC/Circ.670 Clause 3.1/ IMO MSC/Circ.798 Clause 3.1
77	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	High & Medium Expansion Foam Conentrate Type 1, Type 3 & Type 6	pH Value	EN 1568 – 1 & 2 :2018 CL. 7 IMO MSC/Circ.670 Clause 3.5
78	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	High & Medium Expansion Foam Conentrate Type 1, Type 3 & Type 6	Viscosity	FACL/SOP/BVM/01, Issue no. 01
79	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	K Type Foam / F Type Foam/ Kitchen Fire Chemical	Class K / Class F Fire test	EN 3-7 Annex L
80	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Oil Spill Dispersant / OSD Type II / OSD Type III	Flash Point	FACL/SOP/FPA/01, Issue no. 01
81	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Oil Spill Dispersant / OSD Type II & OSD Type III	Miscibility with sea water	IS 4989 Annex D
82	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Oil Spill Dispersant / OSD Type II / OSD Type III	Freezing and Thawing [-10 degree C to + 50 degree C	IS 4989 Annex A-2

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83	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Oil Spill Dispersant / OSD Type II / OSD Type III	Freezing point / Cloud Point	IS 4989 Annex E
84	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Oil Spill Dispersant / OSD Type II / OSD Type III	Viscosity	FACL/SOP/BVM/01, Issue no. 01
85	CHEMICAL- FIRE FIGHTING EQUIPMENTS & ACCESSORIES	Oil Spill Dispersant / OSD Type II/ Type III	pH Value	IS 4989