

Test Report



FIRE TERMINATOR INTERNATIONAL PTE LTD

PROJECT NUMBER:

4788215869.1.1

TEST LOCATION:

UL India Private Limited
Site: UL - Jain Fire
Laboratory,
Jain University Global
Campus,
Jakkasandra,
Kanakapura Taluk-
562112,
Ramanagara District,
Karnataka, India

UL OFFICE:

UL India Private Limited,
Kalyani Platina - Block I,
3rd Floor, No.24,
EPIP Zone, Phase II,
Whitefield, Bangalore,
Karnataka-560066,
India.



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Test DISCIPLINE: FOAM CONCENTRATE

General details

Customer / Applicant	FIRE TERMINATOR INTERNATIONAL PTE LTD		
Manufacturer	FIRE TERMINATOR INTERNATIONAL PTE LTD BLOCK 3015, UBI ROAD 1, #04-266 408704, Singapore		
Program	Verification Service Inspection		
Test Lab Location	UL-JFL	Refer to Cover page for the UL address	
Item Under Test	Foam Concentrate		
Model	FT SLAM/FT JN1010 (AFFF)		
Number of Samples	30 liters in 1 Can		
ULJFL Sample Identification	171130135.1	Refer Summary of Test results for multiple samples	
Manufacturer Serial Number (if any)	7102113		
Condition of Samples on receipt	Good		
Date of Receipt	30 November 2017		
Applicable Standard	ICAO Doc 9137-AN/898 Airport Services Manual, Part 1-Rescue and Firefighting, Fourth Edition, 2015		
Date of Testing (Start date)	5 December 2017	End Date	6 December 2017
General ambient condition	Temperature in °C	25 ± 5°C	
	Relative humidity in %	Not Applicable	
Date of Reporting	21 December 2017		
Test In-charge	Manjunath Anandan		

Fill in the rows with information or add hyphen (-)

 Syed Salahuddin Associate Project Engineer	 Jesu Prakash Senior Project Engineer
Witnessed by	Reviewed by

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TEST CONDITIONS AND TEST RESULTS

PHYSICAL PROPERTIES

The physical properties measured under a controlled lab condition.
Customer declared Minimum Storage Temperature is 35°F (1.7°C)

Results:

Parameter	Results (as observed)
pH	9.88 @ 25 °C
Specific Gravity	1.125
Sedimentation	0.26 %
Viscosity	5.86 mm sq./sec
Surface tension	4.5 mN/M

PERFORMANCE PROPERTIES

Expansion and Drainage Time

Test Conditions: Ambient Temperature: 28 °C,
Premix Temperature: 26 °C

Expansion: 7.65
Drain Time: 2 minutes 02 seconds

Fire Test according to ICAO requirements, Level B

Designation	Unit	Values
Fire Test Date	yy-mm-dd	2017-12-05
Concentrate	%	6
Type of Water		Fresh Water
Foam Nozzle (UNI86)	lpm	11.40
Fire Tray	m ²	4.5
Application Rate	Lpm/m ²	2.5
Ambient Temperature	°C	29
Fuel Temperature	°C	29
Water Temperature	°C	29
Foam Solution Temperature	°C	26
Wind Speed	m/s	1.3
Fire Test	Unit	Results
Type of Fuel		Kerosene
Preburn Time	Seconds	60
Start Foam Solution	min:sec	00:00
90% control	min:sec	00:37
99% control	min:sec	00:49
Extinguishment	min:sec	00:56
Stop Foam Application	min:sec	02:00
Burnback	Unit	Results
Waiting Period	min:sec	02:00
Start Burnback	min:sec	00:00
Burnback, >25% of area	min:sec	>15 mins

Requirements for extinguishing time and Burnback time as per ICAO

Time to Extinction: ≤ 1 minute

Time to Burnback: ≥ 5 minutes for 25% of the surface

Comments to the fire test results

After 15 minutes, it was decided to stop the Burnback test and extinguish the Burnback tray.

The time to complete extinguishment was 56 seconds and the time to Burnback was > 15 minutes.

"Results meet the ICAO, Level B Requirements"