

FT JN1010 Hydrodynamic Spray – related tests and certifications

ICAO Level B – UL for FT JN1010

FT JN1010's was tested by UL (India) for the applicable Standards of ICAO Doc 9137-AN/898 Airport Services Manual, Part 1 – Rescue and Firefighting. The test results effectively and easily met the Level B Requirements of

- Time to Extinction as 56 seconds (Requirement - less than 1 minute) and
- Burn-back Resistance of more than 15 minutes (Requirement - more than 5 minutes for 25% of the surface)

Efectis Nederland EN 1568-3:2008 for FT JN1010

Efectis successfully tested the extinguishing qualities of FT JN1010, a FFF (Fluor Free Foam) according to Annex H of EN 1568-3:2008. The fire tests were carried out indoors at a partner facility under controlled climatological conditions with equipment of Efectis Nederland. FT JN1010 with 6% concentration proved to be successful in controlling and extinguishing N-Heptane fires in agreement with the specifics of EN 1568-3:2008 and The Fire extinguishing performance is Class I and the burn-back level is A using potable water. The tests were witnessed by Bureau Veritas.

Efectis Nederland EN 1869:1997 for FT Sachet - Class F/K Fire

Efectis, successfully evaluated the extinguishing capabilities of the FT Sachet as per the stringent standards of EN 1869:1997. This standard specifically addresses the performance of extinguishing mediums for Class F/K fires, which involve cooking oils and fats, known for their high combustibility and challenging nature to extinguish.

ICAO Tests by Changi Airport Group – Airport Emergency Services [CAG-AES] for FT JN1010

The Airport Emergency Service Team in Changi Airport tested and certified that FT JN1010 is effectively in line with ICAO's Fire tests recommendation for

- Fire Extinction time of 50 seconds (Requirement – less than 60 seconds) and
- Burn-back Resistance more than 14 min (Requirement – more than 5 mins).

Toxin-free by TUV SUD PRODUCT PSB Singapore for FT JN1010 and FT Sachet

Elemental analysis on FT JN1010 and FT Sachet was done by TUV SUD PSB Singapore. Two testing methods were executed –

- Micro-wave digestion and
- Elements by Inductively Coupled Plasma – Mass Spectrometry.

Our product was tested for Cadmium, Copper, Lead, Mercury and Zinc. The test results showed that FT JN1010 and FT Sachet are Toxin-free and the heavy metals were zero/negligible than allowable limits. It is certified to be in accordance with Singapore green labelling scheme certification guide.

Toxin-free Burnt Residue by TUV SUD PRODUCT PSB Singapore for FT Sachet

TUV SUD PRODUCT PSB Singapore conducted thorough testing and analysis of the burnt residues of FT Sachet. The test results proved that its extinguishing process does not produce toxic by-products. This ensures that the use of the FT Sachet is safe for users and does not pose a risk to the environment.

US EPA 3550C-2007 by ANALYTICAL LABORATORIES (SINGAPORE) PTE LTD for FT JN1010

FT JN1010 was subjected to Environmental and Materials testing by ANALYTICAL LABORATORIES (SINGAPORE) PTE. LTD with reference to US EPA 3550C: 2007 standards. The test results indicated FT JN1010 to be Non-Toxic and free from compounds such as Perfluoro octane sulfonates (PFOS – Acid, Metal, Salt, Amide) and Perfluorooctanoic acid (PFOA).

Test Report IA18-13597A by UL for FT JN1010

FT JN1010 was tested by analysed by UL Quality Assurance Pvt Ltd., through solvent extraction and detection by LCMSMS method and found free of PFOA-PFAS

Green Label – Singapore for FT JN1010 and FT Sachet

Fire Terminator Products - FT JN1010 and FT Sachet have been honored with the prestigious "Environmentally Preferred Fire Extinguisher" award by Green Label Singapore. This recognition highlights their commitment to sustainability and environmental responsibility in fire safety.

The Singapore Green Labelling Scheme Secretariat grants this award to products that meet strict environmental criteria. Fire Terminator's eco-friendly materials and innovative technology reduce harmful emissions and pollutants, making them a leader in green fire protection solutions.

This accolade underscores the importance of choosing environmentally responsible products, inspiring others in the industry to follow suit and contribute to global conservation efforts.

Class 3A and Class 5F Rating Test by Advance FireTec and Research Lab PVT LTD – India for FT JN1010

Advance FireTec and Research Lab PVT LTD have conducted rigorous performance, durability, and safety tests on the FT JN1010. The tests evaluated its fire extinguishing performance under two key parameters:

- **Class 3A Rating (CI No-7.6.1 & Annex - H.4):** This test measures the spray's ability to extinguish Class A fires, which involve ordinary combustibles like wood and paper. The FT JN1010 demonstrated exceptional performance, achieving a Class 3A rating.
- **Class 5F Rating (CI No-7.6.3 & Annex - H.6):** This test assesses the spray's effectiveness on Class F fires, typically involving cooking oils and fats. The FT JN1010 excelled, securing a Class 5F rating.

The FT JN1010 passed these tests with outstanding results, confirming its high efficacy and reliability in various fire scenarios.