

## Lastfire Foam Test Results

Manufacturer/Site

Dr Sthamer

Date: 02-Apr-14

### Foam Concentrate Characteristics

Type:	MOUSSOL-APS 3/3 F-15	pH at 20°C	7.7	S.T. at x%	
Concentration:	3%	S.G. at 20°C		Viscosity at 20°C	
Water type	Fresh	R.I. at 20°C	1.383		
Batch No.	83969				

### Foam Quality

	Expansion	25 % Drainage Time
Semi-Aspirated	4.3	6' 10"
Aspirated	7.6	9' 00"
System	11.7	8' 25"

### Test Conditions

	Ambient Temp: °C	Wind Velocity: m/s
Semi-Aspirated	15.0	slight breeze
Aspirated	15.4	ocasional gusts
System	15.1	light drizzle from 15 mins

### Fuel Type / Tank Temps °C

Type	Fuel	Water/substrate
Heptane	15.0	15.0
	23.0	22.0
	25.0	25.0

### Nozzle Calibration

	Source	Specified	Actual
Semi-Aspirated	Lastfire	19.0 lpm	19.0 lpm
Aspirated	Lastfire	17.0 lpm	17.0 lpm
System	Lastfire	11.7 lpm	11.7 lpm

### Fire Performance Data

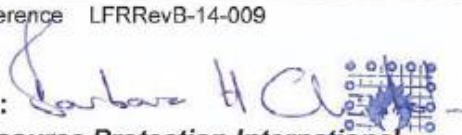
	Semi-Asp.	Marks	Aspirated	Marks	System	Marks
'Control' Time	4' 45"	5	4' 10"	5	4' 15"	5
Extinguishment Time	5' 05"	65	4' 35"	65	4' 45"	65
Torch Test @ 12min:	NO REIG	7.5	NO REIG	7.5	NO REIG	7.5
Torch Test @ 23 min:	NO REIG	7.5	NO REIG	7.5	NO REIG	7.5
Burnback Resistance		10		10		10
Overall Rating		95 GOOD		95 GOOD		95 GOOD

### Notes / Comments

Purpose of Test: Factory Batch  
 Test Location: Asturias, Spain, outside  
 Initial of Tester: BC  
 RPI Ref: P1230

Note: This certificate is valid for this batch only

Test Reference LFRRevB-14-009

Signed:   
 For Resource Protection International  
 Lastfire Project Co-ordinator