



### TEST REPORT

To

EIL Job # 3K-23803  
EIL Sample # C-74999

32 Group Bard Pyro FZE  
P.O.Box: 124289  
Dubai

Job Description: Testing of ALUMINIUM ALLOY (BARD)

### BACKGROUND

A sample of Aluminium Alloy (BARD) in the form of a mesh was submitted by Dr. Amiri of 32 Group to Emirates Industrial Laboratory (EIL) with a request to carry out tests to show that the material can withstand without any physical or chemical changes in the presence of petroleum products like Petrol, Diesel, Lube Oil, LPG. It was stated by the client that the material can prevent or suppress explosions that can happen in oil tanks, fuel tanks etc.

### TESTS

EIL conducted the following tests on BARD

- Subjecting the material to flame
- Immersing the material in petroleum products like Petrol, Diesel and LPG

### RESULTS

TEST MEDIUM	DURATION OF TEST	REMARKS
PETROL	3 days at ambient temperature	No weight difference, colour change or any other physical change
DIESEL	3 days at ambient temperature	No weight difference, colour change or any other physical change
LUBE OIL	3 days at ambient temperature	No weight difference, colour change or any other physical change
LPG	1 hour at ambient temperature	No weight difference, colour change or any other physical change

