

**Test Report No. 7191170404-MEC17/01-DA**  
dated 25 Sep 2017



PSB Singapore

Note: This report is issued subject to the Testing and Certification Regulations of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Pte Ltd. In addition, this report is governed by the terms set out within this report.

Choose certainty.  
Add value.

**SUBJECT**

Fire performance test of portable fire extinguishers submitted by Asiatic Fire System Pte Ltd

**TESTED FOR**

Asiatic Fire System Pte Ltd  
65 Joo Koon Circle  
Singapore 629078

**PERIOD OF TEST**

25 Sep 2017

**METHOD OF TEST**

SS EN 3-7:2012 - "Characteristics, performance requirements and test methods"

**IDENTIFICATION OF EXTINGUISHER**

Type : "KILLFIRE" brand, model "KP-2EN"

Manufacturer : Asiatic Fire System Pte Ltd

Fire extinguisher medium : QFIRE 40, (dry powder)

Nominal charge of extinguisher : 2 kg

Method of pressure storing : Stored pressure type

The test was conducted at TÜV SÜD PSB's fire laboratory located at No. 10, Tuas Avenue 10, Singapore 639134.

*David*



LA-2007-0380-A  
LA-2007-0381-F  
LA-2007-0382-B  
LA-2007-0383-G  
LA-2007-0384-G  
LA-2007-0385-E  
LA-2007-0386-C  
LA-2010-0464-D

The results reported herein have been performed in accordance with the terms of accreditation under the Singapore Accreditation Council. Inspections/Calibrations/Tests marked "Not SAC-SINGLAS Accredited" in this Report are not included in the SAC-SINGLAS Accreditation Schedule for our inspection body/laboratory.

Laboratory:  
TÜV SÜD PSB Pte. Ltd.  
No.1 Science Park Drive  
Singapore 118221

Phone : +65-6885 1333  
Fax : +65-6776 8670  
E-mail: testing@tuv-sud-psb.sg  
www.tuv-sud-psb.sg  
Co. Reg : 199002667R

Regional Head Office:  
TÜV SÜD Asia Pacific Pte. Ltd.  
1 Science Park Drive, #02-01  
Singapore 118221  
TUV®

Test Report No. 7191170404-MEC17/01-DA  
dated 25 Sep 2017



PSB Singapore

CONCLUSION OF TEST


Conformity of submitted samples with clause 15 of EN 3-7 (yes/no)	Yes
Fire Class(es) intended for	A / B
Fire ratings achieved	13A / 55B


SUPPLEMENTARY INFORMATION

Quantity of samples provided	6 pieces
Date of submission	24-Sep-17

REPORT

This report comprises 5 pages, including 1 annex  
Only material detailed in this report have been subjected to tests  
The summary and checks and tests are given on page 3  
This report or any part of it may not be reproduced without the written permission of the laboratory

  
David Ang  
Testing Officer

  
Tan Kim Heng  
Assisant Vice President  
(Fire Property)  
Mechanical

This is a laboratory test report and not a product certification approval



# SUMMARY OF CHECK AND TESTS

Item	EN 3-7 clause	Description	Applicable (Yes/No)	Conformity (Yes/No)
1	15.2	Class A fire rating	Yes	Yes
1	15.3	Class B fire rating	Yes	Yes

## 1. Class A fire rating (EN 3-7:2004+A1:2007, clause 15.2)

Test No	1	2	3
Fire size	13A		
Moisture content of wood:			
Measured average (%)	13	13	-
Permissible average (%)	10 to 15		
Measured ambient condition within test room (°C)	29	29	-
Permissible temperature within the test room before ignition (°C)	0 to 30		
Measured oxygen concentration throughout test (%)	20.8	20.8	-
Minimum required oxygen concerntration throughout (%)	≥ 19		
Test fire extinguished (yes/no)	Yes	Yes	-
Measured time to extinguished test fire (min:s)	1:04	0:57	-
Maximum permissible extinguishing time <sup>(1)</sup>	<sup>(1)</sup>		
Achieved test fire rating – Class A	13A		
Minimum required fire rating	8A		
Conformity to clause 15.2 (yes/no): Yes			

<sup>(1)</sup> ≤ 5 min for fires ≤ 21A & ≤ 7 min for fires ≥ 27A

## 2. Class B fire rating (EN 3-7:2004+A1:2007 clause 15.3)

Test No	1	2	3
Fire size	55B		
Fire test carried out (In door / Outdoor)	Outdoor		
Measured ambient temperature (°C)	29	29	29
Permissible ambient temperature (°C)	0 to 30		
Measured wind speed (if outdoor) (m/s)	< 3	< 3	< 3
Maximum permissible wind speed (m/s)	≤ 3		
Test fire extinguished (yes/no)	Yes	No	Yes
Measure time to extinguished test fire (min:s)	0:10	(1)	0:13
Measured depth of heptane after extinction (mm)	> 5	(1)	> 5
Minimum required reminder of heptane after extinction (mm)	≥ 5		
Achieved test fire rating – Class B	-	55B	
Minimum required test fire rating – Class B	-	34B	
Conformity to clause 15.3 (yes/no): Yes			

<sup>(1)</sup> Test fire not extinguished

*David*



Annex 1: Photograph of portable fire extinguisher



David

**Test Report No. 7191170404-MEC17/01-DA**  
dated 25 Sep 2017



PSB Singapore

**Please note that this Report is issued under the following terms :**

1. This report applies to the sample of the specific product/equipment given at the time of its testing/calibration. The results are not used to indicate or imply that they are applicable to other similar items. In addition, such results must not be used to indicate or imply that TÜV SÜD PSB approves, recommends or endorses the manufacturer, supplier or user of such product/equipment, or that TÜV SÜD PSB in any way "guarantees" the later performance of the product/equipment. Unless otherwise stated in this report, no tests were conducted to determine long term effects of using the specific product/equipment.
2. The sample/s mentioned in this report is/are submitted/supplied/manufactured by the Client. TÜV SÜD PSB therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture, consignment or any information supplied.
3. Nothing in this report shall be interpreted to mean that TÜV SÜD PSB has verified or ascertained any endorsement or marks from any other testing authority or bodies that may be found on that sample.
4. This report shall not be reproduced wholly or in parts and no reference shall be made by the Client to TÜV SÜD PSB or to the report or results furnished by TÜV SÜD PSB in any advertisements or sales promotion.
5. Unless otherwise stated, the tests were carried out in TÜV SÜD PSB Pte Ltd, No.1 Science Park Drive Singapore 118221.

July 2011