





134, Wu Kung Road, WuKu Ind. Zone, Taipei, Taiwan, R.O.C. Tel: +886-2-2299-3279 Fax: +886-2-2299-9489





Certificate No: ED/2007/30056C-1

VERIFICATION OF Packaging and Packaging Waste Directive COMPLIANCE

SGS-TW Reference No.: ED/2007/30056C-1

Model No. : KOM4T-1.6FOAM

Product Name : FKO FIRE KNOCK OUT

Applicant : Komvoort BV

Address of Applicant : Celsiusstraat 8, 7701BW DEDEMSVAART, The Netherlands

SGS approved laboratory: SGS Taiwan

Test Report Number(s) : GZ0705068458/CHEM

Date of Issue : March 21, 2007

Conclusion

Based upon a review of the test report with SGS Ref No.GZ10379667EC, the apparatus is deemed to meet the requirements of the above standards and hence fulfils the requirements of:

Packaging and Packaging Waste Directive 94/62/EC

Note: This certificate is only valid for the equipment and configuration described, and in conjunction with the test data detailed above.

Authorized Signatory:

3505 N 2505 N 25

SGS TAIWAN LTD.
Jason Lin





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SGSPAPER 06550078







No. 10062

No. A071615

货物运输条件鉴定书

Certification for Safe Transport of Dangerous Goods

货物名称: 灭火器

Name of Goods: FKO FIRE KNOCK OUT

建议类项:第9类

杂项危险物质和物品

Class or Division:

Class9, Miscellaneous

Dangerous

Substances and Articles

南京理工大学化学材料测试中心

Chemicals Testing Center of Nanjing University of Science and Technology

货物运输条件鉴定书

№. A071615

样品名称 Name of	中文 Chinese	灭火器
Goods	英文 English	FKO FIRE KNOCK OUT
分子式 Molecular formula		***************************************
送 样 单 位 Applicant		Komvoort BV Celsiusstraat 8 7701BW DEDEMSVAART The Netherlands
	半单位 urer of Goods	Komvoort BV Celsiusstraat 8 7701BW DEDEMSVAART The Netherlands
12 8 20 6 6 6	观与性状 appearance	*******
TORKING PERIOD	危险性 Danger	Miscellaneous danger
类项 Suggestion IATA Comp	照办理的 和编号 in the light of patibility Class, and Numbers	第9类。杂项危险物质和物品 Class9, Miscellaneous Dangerous Substances and Articles UN3072 Life saving appliances, not self—inflating
包装要求 Packaging Requirements		Ⅲ级包装 Packing Group Ⅲ
备注 Notes		



签发: Koncoker Approver: 华亮 2007年05月17日

货物运输条件鉴定书

爆炸危险性 鉴 定 Determination for Explosive Danger	FKO FIRE KNOCK OUT 无爆炸危险性 Without explosive danger
易燃危险性 鉴 定 Determination for flammable danger	FKO FIRE KNOCK OUT 无易燃危险性 Without flammable danger
氧化危险性 鉴定 Determination for Oxidizing Danger	FKO FIRE KNOCK OUT 无氧化危险性 Without oxidizing danger
毒害危险性 鉴 定 Determination for Toxic Danger	FKO FIRE KNOCK OUT 无毒害危险性 Without toxic danger
放射危险性 鉴 定 Determination for Radioactive Danger	FKO FIRE KNOCK OUT 无放射危险性 Without radioactive danger
腐蚀危险性 鉴 定 Determination for Corrosive Danger	FKO FIRE KNOCK OUT 无腐蚀危险性 Without corrosive danger
其它危险性 鉴 定 Determination for Other Dangers	FKO FIRE KNOCK OUT 有杂项危险性 With miscellaneous dangers



货物运输条件鉴定书

	6 瓶 FKO FIRE KNOCK OUT 放置在瓦楞纸箱内,FKO FIRE
	KNOCK OUT 由烟火药和液体灭火剂组成,液体灭火剂的成份为抗
	熔性水成膜灭火剂、冰点调节剂和水。
	试验结果表明,FKO FIRE KNOCK OUT 属于9类杂项危险品,
鉴定货物在	不属于1类爆炸品。建议按9类杂项危险品运输。
贮存、运输 中的危险性	6 FKO FIRE KNOCK OUT is set in a corrugated
分 析	board box . The FKO FIRE KNOCK OUT consists of
Analysis of Dangerous Properties	pyrotechnic composition and liquid extinguishing agent. The
For Goods in Storage and Transport	component of latter is AR-AFFF, salt and water
and Transport	The result of test shows that the FKO FIRE KNOCK OUT
	belongs to class 9 Miscellaneous, not class 1 explosives. The
	goods are suggested to be transported as class 9 miscellaneous
	good are suggested to be dailsported as cities 5 imiscentaneous
	H.A.
容器破损处理方法 Treatment for	
Damaged Container	
	专用管
灭火方法	
アメハル Fire-extinguishing Method	
十	
中毒急救措施 Emergency Measure	立即用大量的水冲洗
for Poison	Immediately flush with plenty of water:
洗刷除毒方法 Mothed for Classics	彻底用水冲洗,除去污染衣物并洗净
Method for Cleaning and Removing Pollutants	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
其它建议	交票 如此中中的 医中央工术 100mm 10
Other Comments	穿戴一般防护服,防护手套和防护眼镜 Wear appropriate protective clothing, gloves and safety goggles.



Via Rossini, 2 - 478 | 4 Bellaria (RN) Italy Tel. +39 054 | 343030 - Fax +39 054 | 345540 istitutogiordano@giordano.it - www.giordano.it

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 materiali da costruzione".

 D.M. 0911199 "Certificazione CE e pie le unità da diporto".

 D.M. 090894 "Certificazione CE e sulle macchine".

 D.M. 090894 "Certificazione CE e pie pie macchine".

 D.M. 0907/93 "Certificazione CE e in materia di recipienti
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 semplici a pressione.
- pressione". /93 "Certificazione CEE concernente la sicurezza

- ne ed elettriche. di laboratorio nell'ambito degli schemi di di Prodotto".

PARTECIPAZIONI ASSOCIATIVE

- rganisation. Dean Group of Official Laboratories for Fire

TEST REPORT No. CHIG0703809

issued by Istituto Giordano

Place and date of issue: Bellaria-Igea Marina, Italy, 31/05/2007

Customer: KOMVOORT BV - Celsiusstraat 8, 7701bw Dedemsvaart - The

Netherlands

Date test requested: 08/03/2007

Order number and date: 36678, 13/04/2007

Test carried-out in date: 16/05/2007

Purpose of test: Determination of the performance characteristics of "FKO Fire knock

out" in accordance with Annex I of standard EN 3-7:2004

Test site: At the manufacturer's premises Address: CHANGZHOU ZHENGHUA

DRYING EQUIPMENT CO., LTD. - JiangSu ChangZhou JianHu Industry

Zone

Specimen origin: supplied by Customer

Identification of specimen received: n. 2007/2467

This document refers only to fire tests and not to safety in-use of the fire knock-out.



Comp. CM Revis.

This test report consists of 4 sheets.





Description of specimen*

Make	Changzhou Zhenghua Drying Equipment CO., LTD.
Model	KOM4T-1.6FOAM
Material	HDPE



Front view of the specimen.



Three-quarter view of the specimen.

Production site*

Changzhou Zhenghua Drying Equipment CO., LTD., JiangSu ChangZhou JianHu Industry Zone.

Normative references

The test was carried out in accordance with Annex I - Fire tests of EN 3-7 "Portable fire extinguishers-Characteristics, performance requirements and test methods" dated January 2004.



(*) according to that stated by the Customer.



Class A fire test

Test apparatus

The characteristics of the test apparatus complied with clause I.2.1 - Annex I of the reference standard.

Test method

The test was carried out in accordance with the test procedure of clause I.2.3 - Annex I of the reference standard.

Designation of this class A test fire: 5A.

Test conditions

Test conditions complied with clause I.2.2 - Annex I of the reference standard.

Test results

After the total pre-test time of 8 minutes, the operator brought the extinguisher into use. The extinguishing time did not exceed 5 minutes. All flames were extinguished and there were no recurrence of flames during the following 3 minute observation period.





Class B fire test

Test apparatus

The characteristics of the test apparatus complied with clause I.3.1 - Annex I of the reference standard.

Test method

The test was carried out in accordance with the test procedure of clause I.3.3 - Annex I of the reference standard.

Designation of this class B test fire: 21B.

Test conditions

Test conditions complied with clause I.3.2 - Annex I of the reference standard.

Test results

After the heptane was ignited and left burning for 1 minute, the operator then brought the extinguisher into use and, within 6 seconds, all the flames were extinguished.



Class B fire test

Auditor Mr. William Wang * CARIA TVA

Chief Executive Officer
\ Villiam Giorgetti

SGS Taiwan Ltd. **Electronics &** Communication Services

134, Wu Kung Road, WuKu Ind. Zone, Taipei, Taiwan.

Tel: +886-2-2299-3279 Fax: +886-2-2299-9489





Certificate No: ED/2007/B0013C-1

VERIFICATION OF COMPLIANCE

SGS-TW Reference No. : ED/2007/B0013C-1

Model No : KOM4T-5.6FOAM

Product Name : FKO FIRE KNOCK OUT

Applicant : Komvoort BV

Address of Applicant : Celsiusstraat 8, 7701 BW Dedemsvaart, The Netherlands

Test Report Number(s) : GZ0710158816A/CHEM

Date of Issue : November 7, 2007

Conclusion

Based upon a review of the worksheets and the Technical Construction File, the apparatus is deemed to meet the requirements of the above standards and hence fulfill the requirements of:

Packaging and Packaging Waste Directive 94/62/EC

Note: This certificate is only valid for the equipment and configuration described, and in conjunction with the test data detailed above.

Authorized Signatory:

SGS TAIWAN LTD.

Jason Lin



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No. 10062

货物运输条件鉴定书

Certification for Safe Transport of Dangerous Goods



货物名称: 灭火器

Name of Goods: KOM4T-5.6FOAM

建议类项:第9类。杂项危险物质和物品

Class or Division:

Class^{9,1} Miscellaneous Dangerous

Substances and Articles

南京理工大学化学材料测试中心

Chemicals Testing Center of Nanjing University of Science and Technology

货物运输条件鉴定书

№. A072595

样品名称 Name of	中文 Chinese	灭火器
Goods	英文 English	KOM4T-5.6FOAM
分子式 Molecular formula		
送 样 单 位 Applicant		Komvoort BV Celsiusstraat 8 7701BW DEDEMSVAART The Netherlands
生产单位 Manufacturer of Goods		Komvoort BV Celsiusstraat 8 7701BW DEDEMSVAART The Netherlands
样品外观与性状 Outward appearance		学化学外
主要危险性 Main Danger		杂项危险性 Miscellaneous danger
建议比照办理的 类项和编号 Suggestion in the light of IATA Compatibility Class, Groups and Numbers		第 9 类 杂项危险物质和物品 Class9, Miscellaneous Dangerous Substances and Articles UN3072 Life-saving appliances, not self—inflating
包装要求 Packaging Requirements		Ⅲ级包装 Packing Group Ⅲ
备 注 Notes		

一种

Approver: 校核: 支配之 日之 Checker:

鉴定: Identifier: 2007年10月25日

货物运输条件鉴定书

爆炸危险性 鉴 定 Determination for Explosive Danger	KOM4T-5.6FOAM 无爆炸危险性 Without explosive danger
易燃危险性 鉴定 Determination for flammable danger	KOM4T-5.6FOAM 无易燃危险性 Without flammable danger
氧化危险性 鉴定 Determination for Oxidizing Danger	KOM4T-5.6FOAM 无氧化危险性 Without oxidizing danger
毒害危险性 鉴 定 Determination for Toxic Danger	KOM4T-5.6FOAM 无毒害危险性 Without toxic danger
放射危险性 鉴 定 Determination for Radioactive Danger	KOM4T-5.6FOAM 无放射危险性 Without radioactive danger
腐蚀危险性 鉴 定 Determination for Corrosive Danger	KOM4T-5.6FOAM 无腐蚀危险性 Without corrosive danger
其它危险性 鉴 定 Determination for Other Dangers	KOM4T-5.6FOAM 有杂项危险性 With miscellaneous dangers



货物运输条件鉴定书

	3 瓶 KOM4T-5.6FOAM 放置在瓦楞纸箱内,KOM4T-5.6FOAM
	由烟火药和液体灭火剂组成,液体灭火剂的成份为抗熔性水成膜灭
	火剂、冰点调节剂和水。
	试验结果表明,KOM4T-5.6FOAM属于9类杂项危险品,不属
鉴定货物在	于1类爆炸品。建议按9类杂项危险品运输。
贮存、运输 中的危险性	3KOM4T-5.6FOAM is set in a corrugated board box.
分 析	TheKOM4T-5.6FOAM consists of pyrotechnic composition
Analysis of Dangerous Properties	and liquid extinguishing agent. The component of latter is
For Goods in Storage and Transport	AR-AFFF, salt and water
and transport	The result of test shows that the KOM4T-5.6FOAM
	belongs to class 9 Miscellaneous, not class 1 explosives. The
	goods are suggested to be transported as class 9 miscellaneous
	- 24
容器破损处理方法 Treatment for Damaged Container	
灭火方法 Fire-extinguishing Method	
中毒急救措施 Emergency Measure for Poison	立即用大量的水冲洗 Immediately flush with plenty of water.
洗刷除毒方法 Method for Cleaning and Removing Pollutants	彻底用水冲洗,除去污染衣物并洗净 Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
其它建议 Other Comments	穿戴一般防护服,防护手套和防护眼镜 Wear appropriate protective clothing, gloves and safety goggles.



NO.:SHSGS20071114B/FIRE

Page 1 of 4

FIRE TEST REPORT

(ACCORDING TO EN 3-7)

CUSTOMER: KOMVOORT BV - Celsiusstraat 8, 7701bw Dedemsvaart, The Netherlands

Purpose of test: determination of the performance characteristics of "FKO Fire knock out" in

accordance with Annex I of standard EN3-7:2004

Test carried out in: 17/10/2007

Test method:

Class A fire test was carried out in accordance with the test procedure of clause I 2.3-Annex I of the

Class B fire test was carried out in accordance with the test procedure of clause I 3.3-Annex I of the reference standard.

Test result: Please refer to next page

Conclusion: The product "FKO FIRE KNOCK OUT" can extinguish the 8A class A fire and 113B class B fire.

Description of the product:

Name: FKO FIRE KNOCK OUT Model: KOM4T-5.6 FOAM

Manufacturer: KOMVOORT INTERNATIONAL LIMITED SHANGHAI REPRESENTATIVE OFFICE

Material: HDPE

Normative references:

The test was carried out in accordance with Annex I - fire test of EN 3-7 "portable fire extinguishers characteristics, performance requirements and test methods" dated January 2004.

Product certification manager

SU

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NO::SHSGS20071114B/FIRE

Page 2 of 4

Class A fire test

Test apparatus

The characteristics of the test apparatus complied with clause I.1 and I.2 Annex of the reference standard.

Test method

The test was carried out in accordance with the test procedure of clause I 2.3-Annex I of the reference standard.

Designation of this class A test fire: 8A

Test conditions

Test conditions complied with clause I.2.2-Annex I of the reference standard.

Test result

After the total pre-test time of 8 minutes, the operator brought the extinguisher into use. The extinguishing time did not exceed 5 minutes. All flames were extinguished and there were no recurrence of flames during the following 3 minute observation period.

Test picture



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t (86-21) 68183233 f (86-21) 68183122

www.cn.sgs.com e sgs.china@sgs.com



NO.:SHSGS20071114B/FIRE

Page 3 of 4

Class B fire test

Test apparatus

The characteristics of the test apparatus complied with clause I.1 and I.3.1 Annex of the reference standard.

Test method

The test was carried out in accordance with the test procedure of clause I 3.3-Annex I of the reference standard.

Designation of this class B test fire: 113B

Test conditions

Test conditions complied with clause I.3.2-Annex I of the reference standard.

Test result

After the heptane was ignited and left burning for 1 minute, the operator then brought the extinguisher into use and, with 6 seconds, all the flames was extinguished.

Test picture



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NO::SHSGS20071114B/FIRE

Page 4 of 4

Remarks

- 1. This report only reflects our findings at time and place indicated above only and does not refer to any other matters.
- 2. This inspection has been carried out to the best of our knowledge and ability and our responsibility is limited to the exercise of reasonable care.
- 3. All orders are accepted and all reports and certificates issued subject to the general conditions of service. (copy available upon request)

Issued by Auditor: New 5

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