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Test Report Number: SHAH00995119

Applicant: BEIJING FNFOG SECURITY TECHNOLOGY
ROOM 317, BUILD A, NO. 25, YONGTAI ROAD,
HAIDIAN DISTRICT, BEIJING
Attn: DONG JIANG

Date: Aug 20, 2018

Sample Description:

One (1) groups/pieces of submitted sample said to be :

Item Name : **Anti-burglar Fog Generator**

Country Of Origin : China

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Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

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To be continued

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai

King Wang
Supervisor

Authorized By:
For Intertek Testing Services Ltd., Shanghai

Joanne Li
Deputy General Manager

INTERTEK TESTING SERVICES LTD., SHANGHAI 上海天祥质量技术服务有限公司 检验检测专用章

Intertek Testing Services Ltd., Shanghai
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Test Results*：

Sample Name：Anti-burglar Fog Generator produced gas						
Compound number (#)	**Retention time (minutes)**	**Area (Ab * s)**	**Match name**	**The molecular weight (amu)**	**CAS number**	**Reference concentration (mg/m^3)**
1	2.948	2803594	1-Propene,2-methyl-	56.063	000115-11-7	0.228
2	3.085	7269469	Acetone	58.042	000067-64-1	3.13
3	4.517	6201667	Formic acid	46.005	000064-18-6	0.504
4	5.161	5855404	2,3-Butanedione	86.037	000431-03-8	0.476
5	5.36	1678627	2-Butanone	72.058	000078-93-3	0.136
6	5.563	2100405	Furan, 2-methyl-	82.042	000534-22-5	0.171
7	6.334	10424647	Acetic acid	60.021	000064-19-7	0.848
8	7.011	1934031	2-Butenal	70.042	004170-30-3	0.157
9	7.4	1036449	Benzene	78.047	000071-43-2	0.101
10	7.805	964137	2-Propanone, 1-hydroxy-	74.037	000116-09-6	0.0784
11	8.423	1285304	3-Hexanone	100.089	000589-38-8	0.105
12	8.877	3763952	Formamide	45.021	000075-12-7	0.306
13	10.061	642263	3-Penten-2-one, (E)-	84.058	003102-33-8	0.0522
14	10.378	1032334	Furan, 3-methyl-	82.042	000930-27-8	0.0839
15	11.031	2239040	Toluene	92.063	000108-88-3	0.665

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16	11.303	742475	Acetonitrile, hydroxy-	57.021	000107-16-4	0.0604
17	13.1	10526879	Furfural	96.021	000098-01-1	0.856
18	14.12	1439516	2-Propanone, 1-(acetyloxy)-	116.047	000592-20-1	0.117
19	14.143	54662	Ethylbenzene	91	100-41-4	0.0433
20	14.565	153884	1,4-Xylene/1,3-Xylene	91	106-42-3/108-38-3	0.0125
21	14.82	1079370	3(2H)-Pyridazinone	96.032	000504-30-3	0.0878
22	15.199	55510	phenylethylene	104	100-42-5	0.0045
23	15.333	47251	1,2-Xylene	91	95-47-6	0.0040
24	15.676	1973657	2(5H)-Furanone	84.021	000497-23-4	0.160
25	17.359	5915197	2-Furancarboxaldehyde, 5-methyl-	110.037	000620-02-0	0.481
26	17.843	1479224	2-Hydroxy-gamma-butyrolactone	102.032	019444-84-9	0.120
27	19.089	682401	1,2-Cyclopentanedione, 3-methyl-	112.052	000765-70-8	0.0555
28	19.853	659595	4-Methyl-5H-furan-2-one	98.037	006124-79-4	0.0536
29	21.455	1075784	.gamma.Dodecalactone	198.162	002305-05-7	0.0875
30	23.21	1672260	4,6-Dimethyl-2-pyrimidone	124.064	000108-79-2	0.136

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Compound number (#)	**Retention time (minutes)**	**Area (Ab * s)**	**Match name**	**The molecular weight (amu)**	**CAS number**	**Reference concentration (mg/m^3)**
31	23.714	994371	2-Propenoic acid, 2-methyl-, ethyl ester	114.068	000097-63-2	0.0809
32	23.92	4987399	2-Furancarboxaldehyde, 5-(hydroxymethyl)-	126.032	000067-47-0	0.406
33	24.063	1285553	5-Acetoxymethyl-2-furaldehyde	168.042	010551-58-3	0.105

Note:After enrichment by adsorption tube, the spectrogram obtained by GC-MS was matched with NIST05 mass spectrogram database, and the relative percentage content of each compound was calculated by area normalization method, and the main components were semi-quantified. The data were only for reference.

Sample Name	Test Item(s)	Test Result(s)	Unit(s)	Reference Standard(s)
Anti-burglar Fog Generator produced gas	Benzene	0.197	mg/m^3	HJ 584-2010
	Toluene	0.796	mg/m^3	
	Ethylbenzene	0.0584	mg/m^3	
	Xylenes	0.182	mg/m^3	
	Styrene	ND（<0.0015）	mg/m^3	
	Aniline	ND（<0.5）	mg/m^3	GB/T 15502-1995
	Phenols	ND（<0.03）	mg/m^3	HJ/T 32-1999

Sample Name	Test Item(s)	Test Result(s)	Unit(s)	Reference Standard(s)

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Anti-burglar Fog Generator produced gas	Polycyclic aromatic hydrocarbons PAHs	Naphthalene	ND（<0.04）	ng/m^3	HJ 647-2013
		Acenaphthylene	ND（<0.04）	ng/m^3	
		Fluorene	ND（<0.04）	ng/m^3	
		Acenaphthene	ND（<0.04）	ng/m^3	
		Phenanthrene	30.38	ng/m^3	
		Anthracene	19.68	ng/m^3	
		Fluoranthene	4.01	ng/m^3	
		Decafluorobiphenyl	ND（<0.04）	ng/m^3	
		Pyrene	2.85	ng/m^3	
		Chrysene	ND（<0.04）	ng/m^3	
		Benz(a)anthracene	ND（<0.04）	ng/m^3	
		Benzo[*b*]fluorathene	5.58	ng/m^3	
		Benzo[*k*]fluoranthene	ND（<0.04）	ng/m^3	
		Benzo(a)pyrene	ND（<0.04）	ng/m^3	
		Dibenz[a,h] anthracene	ND（<0.04）	ng/m^3	
		Benzo[ghi]perylene	0.22	ng/m^3	
		Indeno（1,2,3-cd)pyrene	0.51	ng/m^3	

Note: "ND" means not detected.

*Test Item is subcontracted on INTERTEK accreditation laboratory

Date Sample Received：Jul 30,2018
Testing Period：Jul 30,2018 To Aug 16, 2018

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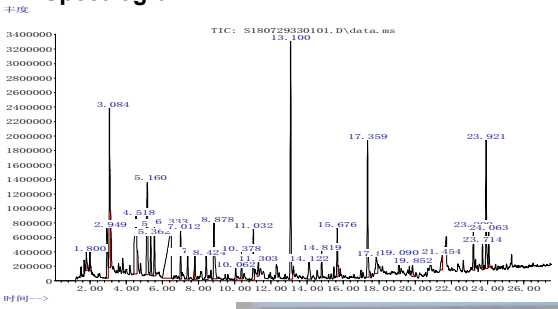
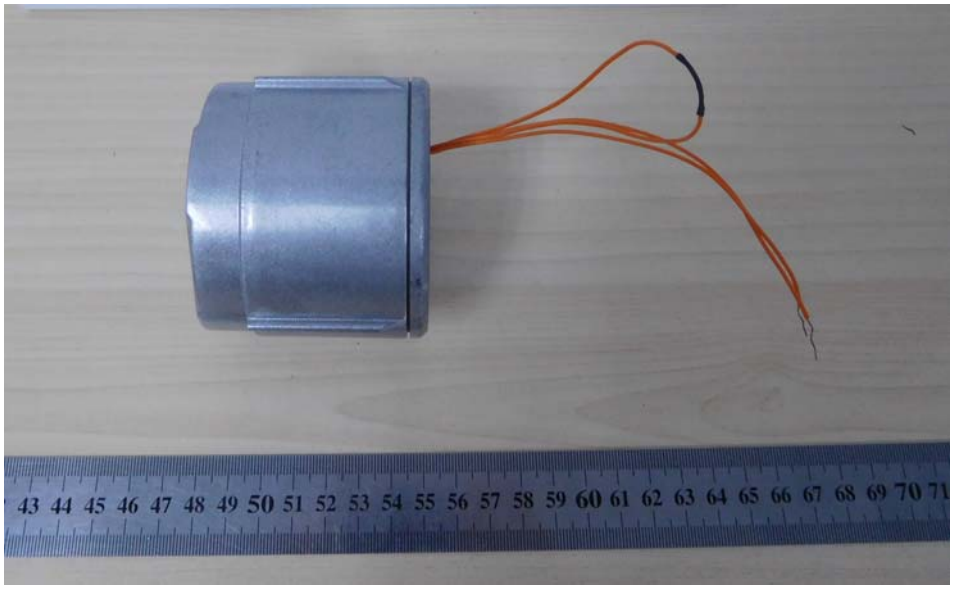
2. Representative annex：

2.1 Spectrogram:





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End of report

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