



1.

	()		KN30A - 10S - 1.5C			
Code	DJ58	Code				
			06.06.07	憲靜	炯泰	在煥
	031 - 496 - 7044	E - mail	heejung@hirose.co.kr			
	1261 - 10			6/7	6/7	6/7

2.

				Data		
		有	無			
Class						
	6가					
	Polybrominated biphenyls (PBBs) Polybrominated diphenylethers (PBDEs)					
Class	Polychlorinated biphenyls (PCBs) Polychlorinated Terphenyls (PCTs) Polychlorinated naphthalences (PCNs)					
	Ozone depleting substances (CFCs, HCFCs, Halons)					
	Short-chain chlorinated paraffins (Alkane 10~13 Carbon chain)					
Class						
	PVC ()					
	(Other chlorinated flame retardants)					
	(ex, TBBP - A) (Other brominated flame retardants)					

3.

- Data : Class (O) (ex : ICP, GC-MS)
- : Class Data (ex : MSDS, Mil Sheet)
- : Class Spec

Data

(Code No) :

() (DJ58)

: 2006 . 06 . 07 .

No	Code	가	CAS-No	(ppm = mg/kg)						
				Cd	Pb	Hg	Cr ⁺⁶	PBBs	PBDEs	
1	KN30A-10S-1.5C	HOUSING	PBT GP-1006F LG	24968-12-5 1309-64-4	N.D	N.D	N.D	N.D	N.D	N.D



가 , 가 .

: (),) : 2006 . 06 . 07 .

				()		
				()		
				E-mail	cha-jh@hirose.co.kr	
				<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid red; border-radius: 50%; padding: 5px; color: red;">憲 靜</div> <div style="border: 1px solid red; border-radius: 50%; padding: 5px; color: red;">炯 泰</div> <div style="border: 1px solid red; border-radius: 50%; padding: 5px; color: red;">在 煥</div> </div>		
				6/7 6/7 6/7		

: KN30A - 10S - 1.5C : ()
 Code No : :
 :

				가			
	Maker		Type	Maker		Type	
HOUSING	LG	GP-1006F	PBT				

- 가 Data , (Mil Sheet, MSDS) .
 (, .)

- Sample 時 , Data,
 時 .



SGS Testing Korea Co., Ltd.

#18-34, Sanbon-dong, Gunpo-city, Kyunggi-do, Korea 435-040
Tel : 031-4285-777, Fax : 031-427-2374/9, InterNet>http://www.sgslab.co.kr

Test Report

No. F690501/LF-CTS101873

Date : June 27, 2005

Page 1 of 2

LG CHEM, LTD.
20, Yoido-dong, Youngdungpo-gu
Seoul, Korea

The Following merchandise was submitted and identified by the clients as : -

Type of Product : LUPOX GP-1006F(#) NP
SGS File No : G-49/2005-2759/5
Sample Receiving Date : Jun. 20, 2005
Test Performing Date : Jun. 21, 2005
Test Performed : SGS Testing Korea tested the sample which was selected by applicant with following result.
Test Results : For further detail, please refer to following page.

KHJ/ysh

SGS Testing Korea Co., Ltd.

Jason Han / Director

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full, without prior written permission of the Company.



SGS Testing Korea Co., Ltd.

#18-34, Sanbon-dong, Gunpo-city, Kyunggi-do, Korea 435-040
Tel : 031-4285-777, Fax : 031-427-2374/9, InterNet>http://www.sgslab.co.kr

Test Report

No. F690501/LF-CTS101873

Date : June 27, 2005

Page 2 of 2

Heavy Metal

Test Items	Unit	Test Method	MDL	Results
Cadmium (Cd)	mg/kg	EN 1122, ICP-AES	0.5	n. d.
Lead (Pb)	mg/kg	USEPA 3050B, ICP-AES	5	n. d.
Mercury (Hg)	mg/kg	USEPA 3052, ICP-AES	2	n. d.
Hexavalent Chromium (Cr VI)	mg/kg	USEPA 3060A, UV-Vis	1	n. d.

Flame Retardants

Test Items	Unit	Test Method	MDL	Results
Polybrominated Biphenyls (PBBs)				
Bromobiphenyl	mg/kg	With reference to USEPA 3450C. Analysis was performed by GC/MS.	5	n. d.
Dibromobiphenyl	mg/kg		5	n. d.
Tribromobiphenyl	mg/kg		5	n. d.
Tetrabromobiphenyl	mg/kg		5	n. d.
Pentabromobiphenyl	mg/kg		5	n. d.
Hexabromobiphenyl	mg/kg		5	n. d.
Heptabromobiphenyl	mg/kg		5	n. d.
Octabromobiphenyl	mg/kg		5	n. d.
Nonabromobiphenyl	mg/kg		5	n. d.
Decabromobiphenyl	mg/kg		5	n. d.
Polybrominated Diphenyl Ethers (PBDEs)				
Bromodiphenyl ether	mg/kg	With reference to USEPA 3450C. Analysis was performed by GC/MS.	5	n. d.
Dibromodiphenyl ether	mg/kg		5	n. d.
Tribromodiphenyl ether	mg/kg		5	n. d.
Tetrabromodiphenyl ether	mg/kg		5	n. d.
Pentabromodiphenyl ether	mg/kg		5	n. d.
Hexabromodiphenyl ether	mg/kg		5	n. d.
Heptabromodiphenyl ether	mg/kg		5	n. d.
Octabromodiphenyl ether	mg/kg		5	n. d.
Nonabromodiphenyl ether	mg/kg		5	n. d.
Decabromodiphenyl ether	mg/kg		5	n. d.

Note : n. d. = Not detected

MDL = Method Detection Limit

..... End

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full, without prior written permission of the Company.



LG화학

599

LG (:570-350)
: 063-830-4111
: 063-830-4118

(Material Safety Data Sheet)

: LUPOX GP-1006F

MSDS - PBT - 000

2000 3 2

()

2000 3 2

1 / 4

1.

() : PBT Compound Resin

:

() :

:

/ : 599 LG EP 063) 830-4121

/ : 20 LG 02) 3773-1114

/ : EP

2.

		CAS No.		(%)
Polybutylene Terephthalate	PBT	24968	- 12 - 5	-
Antimony Trioxide	Sb ₂ O ₃	1309	- 64 - 4	5.0 2.0
Others	-	-	-	-

3.

CERCLA : =, =, =, =

NEFA (0-4) : =1, =1, =0

가

(/)

:

:

:

:

:

:

:

:

:

:

:

:

:

가

- OSHA : - NTP :
- IARC :



LG화학

: LUPOX GP-1006F

MSDS - PBT - 000

2000 3 2

2000 3 2

2 / 4

4.

: 15 20

:

:

:

가

가

(Dimercaprol)

2 4

3mg/μg(0.3ml/10kg)

8

12

2mg/μg

10%

가

5.

:

:

:

:

:

:

가

가

6.

:

:

:

가

7.

:

12

:

8.

:

12

:

:

:

:



LG화학

: LUPOX GP-1006F

MSDS - PBT - 000

2000 3 2

2000 3 2

3 / 4

* ()

: TWA 0.5mg/m³

· OSHA : TWA 0.5mg/m³

· ACGIH : TWA 0.5mg/m³

· NIOSH : TWA 0.5mg/m³

· DFG MAK : TWA() 0.5mg/m³

*

· ACGIH : A2()

:

가

가

:

()

:

9.

pH :

: 220 235

: 1.42

10.

11.

LD₅₀ : 200mg/kg

LC₅₀ :

(IARC Group-2B)

가 가

:

:

:

() :



LG화학

LUPOX GP-1006F

MSDS - PBT - 000

2000 3 2

2000 3 2

4 / 4

12.

가 :

13.

28

14.

15.

: A2()
 : ()
 :3 ()
 가 :

- TSCA :
- CERCLA 103 (40CFR 302.4) : - RQ=100lbs(450kg)
- SARA 302 (40CFR 355.30) :
- SARA 304 (40CFR 355.40) :
- SARA 313 (40CFR 372.65) : -
- OSHA (29FR 1910.119) :
- California 65 :
- SARA : SARA 311/312 (40CFR 370.21)

16.

MDL Information system Inc OHS MSDS