

Test Report

UNITY OPTO TECHNOLOGY CO., LTD.
10F, NO. 88-8, SEC. 1, KUANG-FU RD., SANCHUNG CITY,
241 TAIPEI, TAIWAN.

Report No. : CE/2005/70934
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The following merchandise was (were) submitted and identified by the client as :

Type of Product : LED
Style/Item No : MSL-5XXZW
Sample Received : 2005/07/05
Testing Date : 2005/07/05 TO 2005/07/13

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Test Result : - Please see the next page -


Daniel Yeh, M.R. / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.

Test Report

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Test Result

PART NAME NO.1 : MIXED ALL PARTS (PLEASE REFER TO THE PHOTO ATTACHED)

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
1,1,2-Trichloroethane	ppm	With reference to SGS in-house method. Analysis was performed by GC/MS linked Headspace	1	N.D.	-
1,1-Dichloroethane	ppm	With reference to SGS in-house method. Analysis was performed by GC/MS linked Headspace	1	N.D.	-
1,2-Dichloroethane	ppm	With reference to SGS in-house method. Analysis was performed by GC/MS linked Headspace	1	N.D.	-
1,2-Dichloroethylene	ppm	With reference to SGS in-house method. Analysis was performed by GC/MS linked Headspace	1	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Asbestos					
Anthrophyllite(CAS NO.017068-78-9)	**	As per NIOSH 9000 method. Analysis was performed by XRD.	-	Negative	-
Crocidolite(CAS NO.012001-28-4)	**	As per NIOSH 9000 method. Analysis was performed by XRD.	-	Negative	-
Amosite(CAS NO.012172-73-5)	**	As per NIOSH 9000 method. Analysis was performed by XRD.	-	Negative	-
Tremolite(CAS NO.014567-73-8)	**	As per NIOSH 9000 method. Analysis was performed by XRD.	-	Negative	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Chrysotile(CAS NO.012001-29-5)	**	As per NIOSH 9000 method. Analysis was performed by XRD.	-	Negative	-
Actinolite(CAS NO.013768-00-8)	**	As per NIOSH 9000 method. Analysis was performed by XRD.	-	Negative	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
AZO		As per LMBG 8202-2			
4-AMINODIPHENYL (CAS NO.92-67-1)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
BENZIDINE (CAS NO.92-87-5)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
4-CHLORO-O-TOLUIDINE (CAS NO.95-69-2)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
2-NAPHTHYLAMINE (CAS NO.91-59-8)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
O-AMINOAZOTOLUENE (CAS NO.97-56-3)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
2-AMINO-4-NITROTOLUENE (CAS NO.99-55-8)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
P-CHLOROANILINE (CAS NO.106-47-8)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
2,4-DIAMINOANISOLE (CAS NO.615-05-4)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
4,4-DIAMINODIPHENYLMETHANE (CAS NO.101-77-9)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
3,3-DICHLOROBENZIDINE (CAS NO.91-94-1)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
3,3-DIMETHOXYBENZIDINE (CAS NO.119-90-4)	ppm	Analysis was performed by GC/MS.	3	N.D.	-

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				No.1	
3,3-DIMETHYLBENZIDINE (CAS NO.119-93-7)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
3,3-DIMETHYL-4,4-DIAMINODIPHENYLMETHANE (CAS NO.838-88-0)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
P-CRESIDINE(2-METHOXY-5-METHYLANILINE) (CAS NO.120-71-8)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
4,4-METHYLENE-BIS-(2-CHLORANILINE) (CAS NO.101-14-4)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
4,4-OXYDIANILINE (CAS NO.101-80-4)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
4,4-THIODIANILINE (CAS NO.139-65-1)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
O-TOLUIDINE (CAS NO.95-53-4)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
2,4-TOLUYLENDIAMINE (CAS NO.95-80-7)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
2,4,5-TRIMETHYLANILINE (CAS NO.137-17-7)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
O-ANISIDINE (CAS NO.90-04-0)	ppm	Analysis was performed by GC/MS.	3	N.D.	-
P-AMINOAZOBENZENE (CAS NO.60-09-3)	ppm	Analysis was performed by GC/MS.	3	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
CFC's(Chlorofluorocarbons)		With reference to US EPA 8260.			
Group I					
Chlorofluorocarbon-11(CAS No:000075-69-4)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Chlorofluorocarbon-12(CAS No:000075-71-8)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Chlorofluorocarbon-113(CAS No:000076-13-1)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Chlorofluorocarbon-114(CAS No:000076-14-2)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Chlorofluorocarbon-115(CAS No:000076-15-3)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Group III					
Chlorofluorocarbon-13(CAS No:000075-72-9)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Chlorofluorocarbon-111(CAS No:000354-56-3)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Chlorofluorocarbon-112(CAS No:000076-12-0)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Chlorofluorocarbon-211(CAS No:135401-87-5)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Chlorofluorocarbon-212(CAS No:076564-99-3)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Chlorofluorocarbon-213(CAS No:060285-54-3)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Chlorofluorocarbon-214(CAS No:002268-46-4)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Chlorofluorocarbon-215(CAS No:000076-17-5)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Chlorofluorocarbon-216(CAS No:001652-80-8)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Chlorofluorocarbon-217(CAS No:000422-86-6)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
CHC's(Chlorinated hydrocarbon)		With reference to US EPA 8260.			
1,1,1,2-Tetrachloroethane(CAS No.:000630-20-6)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
1,1,1-Trichloroethane(CAS No.:000071-55-6)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
1,1,2,2-Tetrachloroethane(CAS No.:000079-34-5)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
1,1,2-Trichloroethane(CAS No.:000079-00-5)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
1,1-Dichloroethane(CAS No.:000075-35-4)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
1,1-Dichloroethane(CAS No.:000075-35-3)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
1,1-Dichloropropene(CAS No.:000563-58-6)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
1,2,3-Trichloropropane(CAS No.:000096-19-5)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
1,2-Dichloroethane(CAS No.:000107-06-2)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
1,2-Dichloropropane(CAS No.:000078-87-5)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
1,3-Dichloropropane(CAS No.:000142-28-9)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
2,2-Dichloropropane(CAS No.:000594-20-7)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
Carbon tetrachloride(CAS No.:000056-23-5)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
Chloroethane(CAS No.:000075-00-3)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
Chloroform(CAS No.:000067-66-3)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
Chloromethane(CAS No.:000074-87-3)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
Cis-1,2-Dichloroethene(CAS No.:000156-59-2)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
Cis-1,3-Dichloropropene(CAS No.:010061-01-5)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
Hexachlorobutadiene(CAS No.:000087-68-3)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Methylene Chloride(CAS No.:000075-09-2)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
Tetrachloroethene(CAS No.:000127-18-4)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
trans-1,2-Dichloroethene(CAS No.:000156-60-5)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
trans-1,3-Dichloropropene(CAS No.:010061-02-6)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-
Trichloroethylene(CAS No.:000079-01-6)	ppm	Analysis was performed by GC/MS. [CHC's (Chlorinated hydrocarbon)]	1	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Chloroform	ppm	Analysis was performed by GC/MS.	1	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Chlorinated Paraffin (C10~C13) (CAS NO:010871-26-2)	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by GC/MS or GC/ECD.	0.01	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Dichloromethane	ppm	With reference to US EPA 5021. Analysis was performed by GC/MS linked Headspace.	1	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Dieldrin	ppm	With reference to US EPA 8270D. Analysis was performed by GC/MS linked Headspace.	0.5	N.D.	-
DDT	ppm	With reference to US EPA 8270D. Analysis was performed by GC/MS linked Headspace.	0.5	N.D.	-
Chlordane	ppm	With reference to US EPA 8270D. Analysis was performed by GC/MS linked Headspace.	0.5	N.D.	-
Aldrin	ppm	With reference to US EPA 8270D. Analysis was performed by GC/MS linked Headspace.	0.5	N.D.	-
Hexachlorobenzenes	ppm	With reference to US EPA 8270D. Analysis was performed by GC/MS linked Headspace.	0.5	N.D.	-
Endrin	ppm	With reference to US EPA 8270D. Analysis was performed by GC/MS linked Headspace.	0.5	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Formaldehyde(CAS No:000050-00-0)	ppm	With reference to DIN 53315 & USEPA 8315A. Analysis was performed by HPLC/DAD/MS	0.2	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Halon		With reference to US EPA 8260.			
Halon-1211	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Halon-1301	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-
Halon-2402	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
HBFC	ppm	With reference to 3093/94/EEC. Analysis was performed by GC/MS.	1	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
HCFC's(Hydrogenated chlorofluorocarbons)		With reference to US EPA 8260.			
Hydrochlorofluorocarbon-21(CAS No.:000075-43-4)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-22(CAS No.:000075-45-6)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-31(CAS No.:000593-70-4)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Hydrochlorofluorocarbon-121(CAS No.:000354-14-3)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-122(CAS No.:000354-21-2)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-123(CAS No.:000306-83-1)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-124(CAS No.:002837-89-0)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-131(CAS No.:000359-28-4)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-131b(CAS No.:000471-43-2)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-133a(CAS No.:000075-88-7)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-141b(CAS No.:001717-00-6)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Hydrochlorofluorocarbon-221	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-222(CAS No.:000422-30-0)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-223	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-224	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-225ca(CAS No.:000422-56-0)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-225cb(CAS No.:000507-55-1)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-226(CAS No.:000431-87-8)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-231	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Hydrochlorofluorocarbon-232	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-233	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-234	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-235(CAS No.:013838-16-9)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-241	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-242	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-243(CAS No.:000338-75-0)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-244	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Hydrochlorofluorocarbon-251	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-252	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-253(CAS No.:000354-06-1)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-261(CAS No.:000420-97-3)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-262(CAS No.:000420-97-3)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-
Hydrochlorofluorocarbon-271	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Hydrofluorocarbon, fluorinated hydrocarbon, fluorohydrocarbon		With reference to US EPA 8260.			
HFC-23(CHF3)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-23(CHF3)	ppm	Analysis was performed by GC/MS.	1	N.D.	-

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				No.1	
HFC-41(CH3F)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-43-10mee(C5H2F10)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-125(C2HF5)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-134(C2H2F4)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-134a(CH2FCF3)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-143(CH3F3)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-143a(CH3F3)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-152a(C2H4F2)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-227ea(C3HF7)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-236fa(C3H2F6)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-236ea(C3H2F6)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-245ca(C3H3F5)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-245fa(C3H3F5)	ppm	Analysis was performed by GC/MS.	1	N.D.	-
HFC-365mfc(C4H5F5)	ppm	Analysis was performed by GC/MS.	1	N.D.	-

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PASS

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Ni Emission	ug/cm ² /week	This is screening method and is based on the formation of a red complex when nickel ions come in contact with dimethyglyoxime solution in the presence of ammonia. In order to increase the sensitivity of the test pretreatment with artificial sweat and heat	< 0.5	< 0.5	< 0.5

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
1,1,1-trichloroethane	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS.	1	N.D.	-
Carbon tetrachloride	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-
Bromomethane	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Organic-tin coumpounds					
Triphenyl Tin(TPT)(CAS NO:000668-34-8)	ppm	With reference to 89/677/EEC & DIN 38407. Analysis was performed by GC/FPD.	0.03	N.D.	-
Tributyl Tin(TBT)	ppm	With reference to 89/677/EEC & DIN 38407. Analysis was performed by GC/FPD.	0.03	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
PCBs(Polychlorinated Biphenyls)(CAS NO:001336-36-3)	ppm	With reference to USEPA 8082A. Analysis was performed by GC/MS or GC/ECD.	0.5	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Polychlorinated Naphthalene	ppm	With reference to USEPA 8081B. Analysis was performed by GC/MS.	5	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
PFC		With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.			
F14	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-
Fluorocarbon 116	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-
Freon 218	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-
Decafluorobutane	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Freon C318	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-
Perfluor-1-butane	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-
perfluorisobutane	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-
1,4-dihydroctafluorobutane	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-
nonafluor-2-(trifluoromethyl)butane	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-
perfluoro-n-pentane	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-
2-perfluoromethylpentane	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-
perfluorohexane	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Phthalates					
DBP(Di-butyl phthalate)(CAS No.000084-74-2)	%	GC/MS after sample was analyzed by GC/MS with the procedure outline in ASTM D3421-75 “ Extraction and Analysis of Plasticizer Mixture from Vinyl Chloride Plastics ”.	0.01	N.D.	-
DINP(Di-isononyl phthalate)(CAS No.028553-12-0)	%	GC/MS after sample was analyzed by GC/MS with the procedure outline in ASTM D3421-75 “ Extraction and Analysis of Plasticizer Mixture from Vinyl Chloride Plastics ”.	0.1	N.D.	-
DEHP(Di-(2-ethylhexyl phthalate))(CAS No.000117-81-7)	%	GC/MS after sample was analyzed by GC/MS with the procedure outline in ASTM D3421-75 “ Extraction and Analysis of Plasticizer Mixture from Vinyl Chloride Plastics ”.	0.003	N.D.	-
DIDP(Di-isodecyl phthalate)(CAS No.026761-40-0)	%	GC/MS after sample was analyzed by GC/MS with the procedure outline in ASTM D3421-75 “ Extraction and Analysis of Plasticizer Mixture from Vinyl Chloride Plastics ”.	0.1	N.D.	-
DNOP(Di-n-octyl phthalate)(CAS No.000117-84-0)	%	GC/MS after sample was analyzed by GC/MS with the procedure outline in ASTM D3421-75 “ Extraction and Analysis of Plasticizer Mixture from Vinyl Chloride Plastics ”.	0.01	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
BBP(Benzyl butyl phthalate)(CAS No.000085-68-7)	%	GC/MS after sample was analyzed by GC/MS with the procedure outline in ASTM D3421-75 "Extraction and Analysis of Plasticizer Mixture from Vinyl Chloride Plastics".	0.01	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Monobromobiphenyl	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.	-
Dibromobiphenyl	%		0.0005	N.D.	-
Tribromobiphenyl	%		0.0005	N.D.	-
Tetrabromobiphenyl	%		0.0005	N.D.	-
Pentabromobiphenyl	%		0.0005	N.D.	-
Hexabromobiphenyl	%		0.0005	N.D.	-
Heptabromobiphenyl	%		0.0005	N.D.	-
Octabromobiphenyl	%		0.0005	N.D.	-
Nonabromobiphenyl	%		0.0005	N.D.	-
Decabromobiphenyl	%		0.0005	N.D.	-
Total PBBs (Polybrominated biphenyls)/Sum of above	%		-	N.D.	-
Monobromobiphenyl ether	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.	-
Dibromobiphenyl ether	%		0.0005	N.D.	-
Tribromobiphenyl ether	%		0.0005	N.D.	-
Tetrabromobiphenyl ether	%		0.0005	N.D.	-
Pentabromobiphenyl ether	%		0.0005	N.D.	-
Hexabromobiphenyl ether	%		0.0005	N.D.	-
Heptabromobiphenyl ether	%		0.0005	N.D.	-
Octabromobiphenyl ether	%		0.0005	N.D.	-
Nonabromobiphenyl ether	%		0.0005	N.D.	-
Decabromobiphenyl ether	%		0.0005	N.D.	-
Total PBDEs(PBDEs)(Polybrominated biphenyl ethers)/Sum of above	%		-	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Halogen		As per EN14582 method B.			
Halogen-Chlorine (Cl)(CAS No:007782-50-5)	ppm	Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, the absorb solution was analyzed by IC method.	50	N.D.	-
Halogen-Fluorine (F)(CAS No:007782-41-4)	ppm	Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, the absorb solution was analyzed by IC method.	50	N.D.	-
Halogen-Bromine (Br)(CAS No:007726-95-6)	ppm	Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, the absorb solution was analyzed by IC method.	50	N.D.	-
Halogen-Iodine (I)(CAS No:007553-56-2)	ppm	Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, the absorb solution was analyzed by IC method.	50	N.D.	-

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Trichloroethylene	ppm	Analysis was performed by GC/MS linked Headspace.	1	N.D.	-
Tetrachloroethylene	ppm	Analysis was performed by GC/MS linked Headspace.	1	N.D.	-

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Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Chromium VI (Cr+6)	ppm	UV-VIS after reference to US EPA 3060A.	2	N.D.	-
Arsenic (As)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.	-
Beryllium (Be)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.	-
Bismuth (Bi)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.	-
Cadmium (Cd)	ppm	ICP-AES after reference to EN 1122, method B:2001 or other acid digestion.	2	N.D.	-
Cobalt (Co)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.	-
Chromium (Cr)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.	-
Mercury (Hg)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.	-
Nickel (Ni)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	236.7	-
Lead (Pb)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.	-
Antimony (Sb)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.	-
Selenium (Se)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.	-

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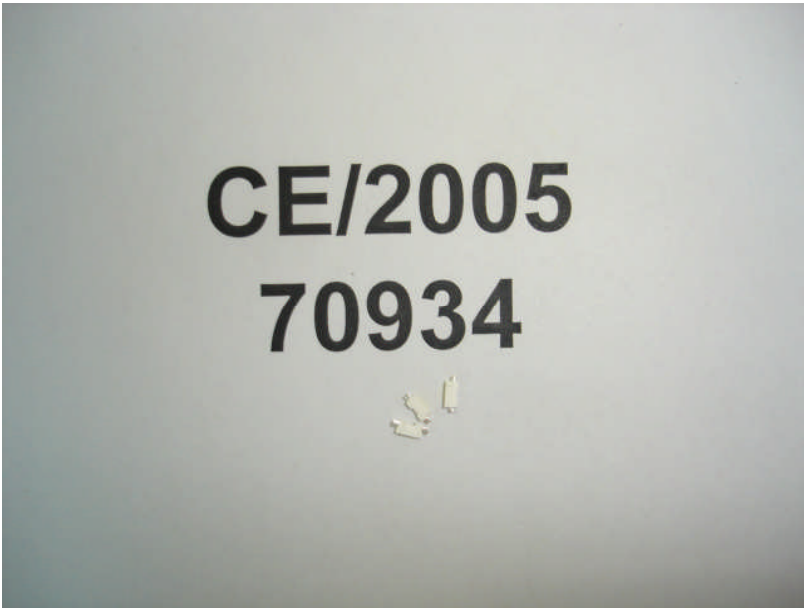
Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Tellurium (Te)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.	-
Thallium (Tl)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.	-

- NOTE:
- (1) N.D. = Not detected (<MDL)
 - (2) ppm = mg/kg
 - (3) MDL = Method Detection Limit
 - (4) " - " = No Regulation
 - (5) " --- " = Not Applicable
 - (6) * = Results shown are of the adjusted analytical results
 - (7) ** = Qualitative analysis (No Unit)
 - (8) Negative = Undetectable / Positive = Detectable
 - (9) The MDL is 5ppm for the single compound of CP

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A photograph of a white label with the text 'CE/2005' on the top line and '70934' on the bottom line. The label is slightly wrinkled and has some small white marks on it.

CE/2005
70934