



시험성적서 번호 F690101/LF-CTSAYAA15-11412K

발행일: 2015. 03. 04 페이지: 1 / 5

고객명 : 한국코스텍주식회사
주소 : 경기 김포시 풍무동 32-2

고객으로부터 제공받은 시료에 대한 정보는 다음과 같습니다.

SGS 파일 번호 : AYAA15-11412K
제품명 : PP필름 라벨(코팅)
아이템 번호 : N/A
고객 참고 사항 : NY/PEARL,LAMI-OPP/OPP
시료 접수 날짜 : 2015. 02. 27
시험 시행 기간 : 2015. 03. 02 ~ 2015. 03. 04
참 고 : 고객의 요청에 의해, 아이템 번호와 고객 참고 사항이 추가 기재 되었습니다.
시험 결과 : 자세한 결과는 다음 장을 참조하세요.

한국에스지에스 (주)

장 기 흥 / 기술책임자

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시료번호 : AYAA15-11412K.001
 시료명 : PP필름 라벨(코팅)
 아이템번호 : N/A
 재질 : PP

Heavy Metals

분석항목	단위	시험방법	검출한계	결과
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Cadmium by ICP-OES)	0.5	불검출
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Lead by ICP-OES)	5	불검출
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013 (Determination of Mercury by ICP-OES)	2	불검출
Hexavalent Chromium (Cr VI)	mg/kg	With reference to IEC 62321:2008 (Determination of Hexavalent Chromium by spot test/Colorimetric Method using UV-Vis)	1	불검출
Beryllium (Be)	mg/kg	With reference to EPA 3052(1996), US EPA 6010B(1996), ICP	0.5	불검출
Antimony (Sb)	mg/kg	With reference to EPA 3052(1996), US EPA 6010B(1996), ICP	10	불검출

Flame Retardants-PBBs/PBDEs

분석항목	단위	시험방법	검출한계	결과
Monobromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Dibromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Tribromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Pentabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Hexabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Heptabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Octabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Nonabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Decabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출

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 아이템번호 : N/A
 재질 : PP

Flame Retardants-PBBs/PBDEs

분석항목	단위	시험방법	검출한계	결과
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출
Decabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBBs and PBDEs by GC-MS)	5	불검출

Phthalates

분석항목	단위	시험방법	검출한계	결과
Di-(2-ethylhexyl) phthalate (DEHP)	mg/kg	With reference to ASTM D3421-75 , GC-MS	50	불검출
Di-n-octyl phthalate (DNOP)	mg/kg	With reference to ASTM D3421-75 , GC-MS	50	불검출
Dibutyl phthalate (DBP)	mg/kg	With reference to ASTM D3421-75 , GC-MS	50	불검출
Butylbenzyl phthalate (BBP)	mg/kg	With reference to ASTM D3421-75 , GC-MS	50	불검출
Diisononyl phthalate (DINP)	mg/kg	With reference to ASTM D3421-75 , GC-MS	50	불검출
Diisodecyl phthalate (DIDP)	mg/kg	With reference to ASTM D3421-75 , GC-MS	50	불검출
Diisobutyl Phthalate (DIBP)	mg/kg	With reference to ASTM D3421-75 , GC-MS	50	불검출
[di(C6-C8 alkyl)phthalate] branched (DIHP)	mg/kg	With reference to ASTM D3421-75 , GC-MS	50	불검출
[di(C7-C11 alkyl)phthalate] linear+branched (DHNUP)	mg/kg	With reference to ASTM D3421-75 , GC-MS	50	불검출

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 시료명 : PP필름 라벨(코팅)
 아이템번호 : N/A
 재질 : PP

Phthalates

분석항목	단위	시험방법	검출한계	결과
Bis(2-methoxyethyl) phthalate (BMP, DMEP)	mg/kg	With reference to ASTM D3421-75 , GC-MS	50	불검출

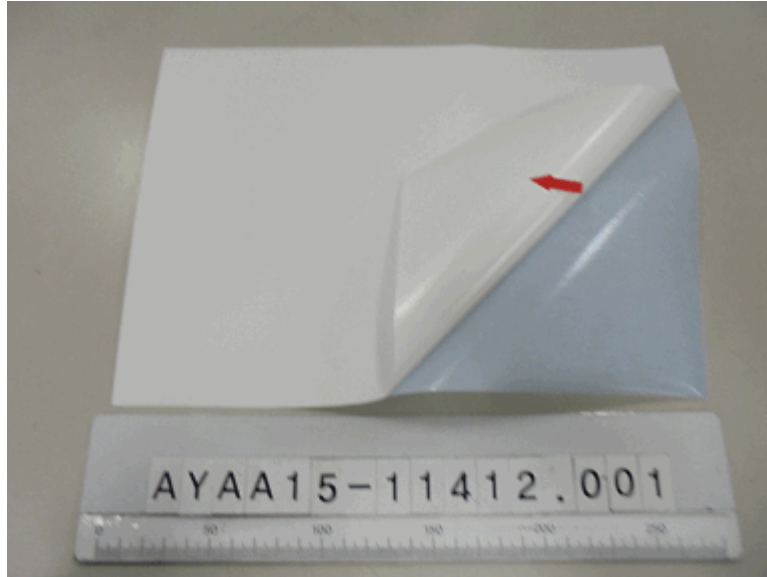
Halogen Contents

분석항목	단위	시험방법	검출한계	결과
Bromine(Br)	mg/kg	With reference to ASTM D 7359-08 , IC	30	불검출
Chlorine(Cl)	mg/kg	With reference to ASTM D 7359-08 , IC	30	불검출
Fluorine(F)	mg/kg	With reference to ASTM D 7359-08 , IC	30	불검출

주) 불검출 : 검출한계 미만

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접수된 시료의 사진 :



*** 끝 ***

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