



# 시험성적서 번호 F690101/LF-CTSAYAA24-02558K

발행일: 2024. 01. 23 페이지: 1 / 4

고객명 : (주) 대호특수강  
주소 : 충청북도 충주시 충주산단1로 95



고객으로부터 제공받은 시료에 대한 정보는 다음과 같습니다.

SGS 파일 번호 : AYAA24-02558K  
제품명 : SCM415H  
아이템 번호 : N/A  
시료 접수 날짜 : 2024. 01. 12  
시험 시행 기간 : 2024. 01. 12 ~ 2024. 01. 23  
시험 결과 : 자세한 결과는 다음 장을 참조하세요.

*Tommy Park* Billy Oh

박승남

오동진

기술책임자/ 한국에스지에스㈜

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# 시험성적서 번호 F690101/LF-CTSAYAA24-02558K

발행일: 2024. 01. 23 페이지: 2 / 4

시료 번호 : AYAA24-02558K.001  
 시료명 : SCM415H  
 아이템 번호 : N/A  
 재질 : N/A

## Heavy Metals

| 분석 항목                        | 단위     | 시험 방법   | 검출한계 | 결과  |
|------------------------------|--------|---|------|-----|
| Cadmium (Cd)                 | mg/kg  | With reference to IEC 62321-5 : 2013, by ICP-OES              | 0.5  | 불검출 |
| Lead (Pb)                    | mg/kg  | With reference to IEC 62321-5 : 2013, by ICP-OES              | 5    | 불검출 |
| Mercury (Hg)                 | mg/kg  | With reference to IEC 62321-4 : 2013+AMD1:2017CSV, by ICP-OES | 2    | 불검출 |
| Hexavalent Chromium (Cr VI)* | µg/cm² | With reference to IEC 62321-7-1 : 2015, by UV-Vis             | 0.1  | 불검출 |

## Flame Retardants-PBBs/PBDEs

| 분석 항목                   | 단위    | 시험 방법  | 검출한계 | 결과  |
|-------------------------|-------|--|------|-----|
| Monobromobiphenyl       | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Dibromobiphenyl         | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Tribromobiphenyl        | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Tetrabromobiphenyl      | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Pentabromobiphenyl      | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Hexabromobiphenyl       | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Heptabromobiphenyl      | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Octabromobiphenyl       | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Nonabromobiphenyl       | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Decabromobiphenyl       | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Monobromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Dibromodiphenyl ether   | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Tribromodiphenyl ether  | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |

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## Flame Retardants-PBBs/PBDEs

| 분석항목                     | 단위    | 시험방법   | 검출한계 | 결과  |
|--------------------------|-------|--|------|-----|
| Tetrabromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Pentabromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Hexabromodiphenyl ether  | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Heptabromodiphenyl ether | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Octabromodiphenyl ether  | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Nonabromodiphenyl ether  | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |
| Decabromodiphenyl ether  | mg/kg | With reference to IEC 62321-6 : 2015, by GC-MS | 5    | 불검출 |

## Phthalates

| 분석항목                               | 단위    | 시험방법   | 검출한계 | 결과  |
|------------------------------------|-------|--|------|-----|
| Di-(2-ethylhexyl) phthalate (DEHP) | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50   | 불검출 |
| Di-butyl phthalate (DBP)           | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50   | 불검출 |
| Benzyl butyl phthalate (BBP)       | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50   | 불검출 |
| Di-isobutyl phthalate (DIBP)       | mg/kg | With reference to IEC 62321-8 : 2017, by GC-MS | 50   | 불검출 |

## Flame Retardants

| 분석항목                           | 단위    | 시험방법                                     | 검출한계 | 결과  |
|--------------------------------|-------|--|------|-----|
| Hexabromocyclododecane (HBCDD) | mg/kg | With reference to USEPA 3540 C, by LC/MS | 5    | 불검출 |

- 주) (1) 불검출 : 검출한계 미만  
 (2) \* = a. 검출 값이  $0.13 \mu\text{g}/\text{cm}^2$  이상이면 Positive로 결과 값 입력.  
 b. 검출 값이  $0.10 \mu\text{g}/\text{cm}^2$  이하이면 Negative로 결과 값 불검출로 입력.  
 c. 검출 값이  $0.10 \mu\text{g}/\text{cm}^2$  과  $0.13 \mu\text{g}/\text{cm}^2$  사이의 값이면 Inconclusive로 의심이 됨.  
 (3회 재확인 시험을 진행 해야함)  
 (3) 이 시험 결과는 의뢰자가 제시한 시료 및 시료명에만 한정됩니다.  
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접수된 시료의 사진 :



AYAA24-02558K.001

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