

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



고객으로부터 제공받은 시료에 대한 정보는 다음과 같습니다.

SGS 파일 번호 : AYAA24-02579K
제품명 : AISI4140
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㈜



시험성적서 번호 F690101/LF-CTSAYAA24-02579K

발행일: 2024. 01. 23 페이지: 2 / 4

시료번호 : AYAA24-02579K.001
 시료명 : AISI4140
 아이템번호 : N/A
 재질 : N/A

Heavy Metals

분석항목	단위	시험방법	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

분석항목	단위	시험방법	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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시험성적서 번호 F690101/LF-CTSAYAA24-02579K

발행일: 2024. 01. 23 페이지: 3/ 4

시료번호 : AYAA24-02579K.001
 시료명 : AISI4140
 아이템번호 : N/A
 재질 : N/A

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

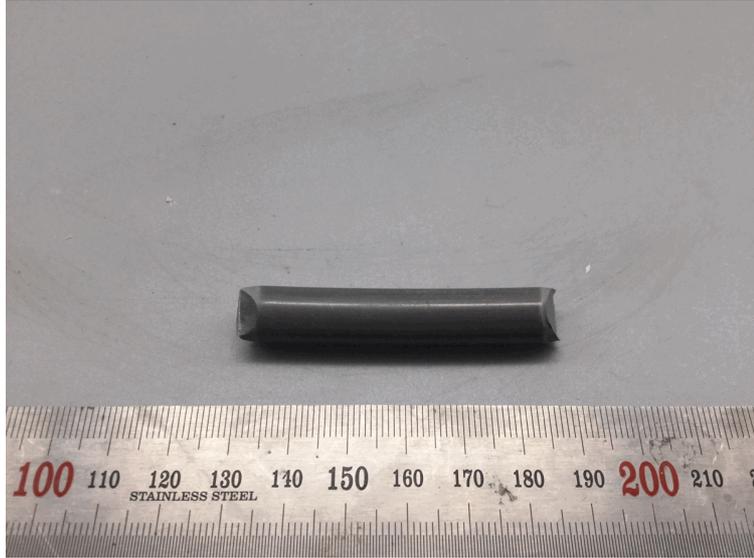
Flame Retardants

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)
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접수된 시료의 사진 :



AYAA24-02579K.001

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