



# 시험성적서 번호 F690101/LF-CTSAYAA24-02559K

발행일: 2024. 01. 19 페이지: 1 / 4

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



고객으로부터 제공받은 시료에 대한 정보는 다음과 같습니다.

SGS 파일 번호 : AYAA24-02559K  
제품명 : AISI51B20/SAE51B20  
아이템 번호 : N/A  
시료 접수 날짜 : 2024. 01. 12  
시험 시행 기간 : 2024. 01. 12 ~ 2024. 01. 19  
시험 결과 : 자세한 결과는 다음 장을 참조하세요.

*Tommy Park* Billy Oh

박승남

오동진

기술책임자/ 한국에스지에스㈜

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# 시험성적서 번호 F690101/LF-CTSAYAA24-02559K

발행일: 2024. 01. 19 페이지: 2 / 4

시료 번호 : AYAA24-02559K.001  
 시료 명 : AISI51B20/SAE51B20  
 아이템 번호 : N/A  
 재 질 : 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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발행일: 2024. 01. 19 페이지: 3 / 4

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 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

## 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 :



AYAA24-02559K.001

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