



시험성적서 번호 F690101/LF-CTSAYGU22-06124K

발행일: 2022. 07. 01 페이지: 1/ 4

고객명 : (주) 우신스틸
주소 : 경상북도 영천시 금호읍 영천산단로 120



고객으로부터 제공받은 시료에 대한 정보는 다음과 같습니다.

SGS 파일 번호 : AYGU22-06124K
제품명 : AISI4140
아이템 번호 : N/A
시료 접수 날짜 : 2022. 06. 23
시험 시행 기간 : 2022. 06. 23 ~ 2022. 07. 01
시험 결과 : 자세한 결과는 다음 장을 참조하세요.

한국에스지이에스 (주) / 부산시험소

강 태 희 / 기술책임자

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MQP-708-004-E13 (01)

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시험성적서

번호 F690101/LF-CTSAYGU22-06124K

발행일: 2022. 07. 01 페이지: 2 / 4

시 료 번 호 : AYGU22-06124K.001
시 료 명 : AISI4140
아 이 템 번 호 : N/A
재 질 : METAL

Heavy Metals

분 석 항 목	단 위	시 험 방 법	검출한계	결 과
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+A1 : 2017, 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

분 석 항 목	단 위	시 험 방 법	검출한계	결 과
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
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

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시 료 번 호 : AYGU22-06124K.001
시 료 명 : AISI4140
아 이 템 번 호 : N/A
재 질 : METAL

Flame Retardants-PBBs/PBDEs

분 석 항 목	단 위	시 험 방 법	검출한계	결 과
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

분 석 항 목	단 위	시 험 방 법	검출한계	결 과
Hexabromocyclododecane (HBCDD, HBCD)	mg/kg	With reference to EPA 3540C : 1996, by GC-MS	5	불검출

- 주) (1) 불검출 : 검출한계 미만
(2) *= a. 검출 값이 0.13 ug/cm2 이상이면 Positive 로 결과 값 입력
b. 검출 값이 0.10 ug/cm2 이하이면 Negative 로 결과 값 불검출로 입력
c. 검출 값이 0.10 ug/cm2 과 0.13 ug/cm2 사이의 값이면 inconclusive 로 의심이 됨.(3회 재확인 시험을 진행해야함.)

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