

시험성적서

번호 F690101/LF-CTSAYHA24-04202

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페이지 1 / 6

고객명 : 한국제지주
주소 : 울산시 울주군 온산읍 원산로 40



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SGS 파일 번호 : AYHA24-04202
시료명 : 미도공지
아이템번호 : -
제출처 : -
제조사명 : -
제조국 : 대한민국
사용연령 : 전연령
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시험성적서의 용도 : 품질관리용
시험수행 : 한국에스지이에스㈜에서 수행된 시험은 고객이 제공한 시료에 대하여 고객이 요청한 방법에 의해 실행되고 협의된 내용임을 알려드립니다.
시험방법 : 어린이제품 공통안전기준
[산업통상자원부고시 제2022-0220호(2022.12.14.)]
시험항목 및 결과 : 자세한 결과는 다음 장을 참조하세요
성적서 참고 사항 : 이 시험 결과는 의뢰자가 제시한 시료 및 시료명에만 한정됩니다.
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비고) 이 시험성적서는 의뢰인에 의해 제공된 시료에 한하며, 용도 이외의 사용을 금합니다.

Monet Jeong

정 양 선

기술책임자 / 한국에스지이에스㈜

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산업통상자원부고시 제2022-0220호 어린이제품 공통안전기준

| 조항 | 시험항목 | | 허용치 | 결과판정 |
|-------|----------------------|-----------|-----------------------------------|------|
| 3.1 | 유해화학물질 안전요건 | | | |
| 3.1.1 | 유해원소 용출 (mg/kg) | 안티모니(Sb) | 60이하 | 합격 |
| | | 비소(As) | 25이하 | |
| | | 바륨(Ba) | 1 000이하 | |
| | | 카드뮴(Cd) | 75이하 | |
| | | 크로뮴(Cr) | 60이하 | |
| | | 납(Pb) | 90이하 | |
| | | 수은(Hg) | 60이하 | |
| | | 셀레늄(Se) | 500이하 | |
| 3.1.2 | 유해원소 함유량 (mg/kg) | 총 납(Pb) | 100 이하 (페인트 및 표면코팅의 경우, 90 이하) | 합격 |
| | | 총 카드뮴(Cd) | 75 이하 | 합격 |
| 3.1.3 | 프탈레이트계 가소제 (%) | DEHP | 총 합 0.1 이하 | 합격 |
| | | DBP | | |
| | | BBP | | |
| | | DINP | | |
| | | DIDP | | |
| | | DnOP | | |
| | | DIBP | | |

- 업체가 요청한 항목에 대해서만 시험 진행 및 표기됨.

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산업통상자원부고시 제2022-0220호 어린이제품 공통안전기준

3.1 유해화학물질 안전요건

3.1.1 유해원소 용출 (분석장비: ICP-OES)

| 시험항목 | 유해원소 용출 | | | | | | | |
|-----------------|--------------|------------|-------------|-------------|-------------|-----------|------------|-------------|
| | 안티모니 (Sb) | 비소 (As) | 바륨 (Ba) | 카드뮴 (Cd) | 크로뮴 (Cr) | 납 (Pb) | 수은 (Hg) | 셀레늄 (Se) |
| 허용치 (mg/kg) | 60 이하 | 25 이하 | 1 000 이하 | 75 이하 | 60 이하 | 90 이하 | 60 이하 | 500 이하 |
| 검출한계 (mg/kg) | 5 | 2.5 | 10 | 5 | 2.5 | 5 | 2.5 | 10 |
| 시험결과 (mg/kg) | 1 | 불검출 | 불검출 | 불검출 | 불검출 | 불검출 | 불검출 | 불검출 |

위 시험결과는 보정률을 적용한 결과임.

시료 구분

1. 종이

- 불검출 = 검출한계 미만

산업통상자원부고시 제2022-0220호 어린이제품 공통안전기준

3.1 유해화학물질 안전요건

3.1.2 유해원소 함유량 (분석장비: ICP-OES)

| 시험항목 | | 총 납 | | | 시험항목 | | 총 카드뮴 | | |
|------|---|----------------|-----------------|-----------------|----------|---|----------------|-----------------|-----------------|
| | | 허용치 (mg/kg) | 검출한계 (mg/kg) | 시험결과 (mg/kg) | | | 허용치 (mg/kg) | 검출한계 (mg/kg) | 시험결과 (mg/kg) |
| 총 납 | 1 | 100이하 | 20 | 불검출 | 총 카드뮴 | 1 | 75이하 | 5 | 불검출 |

시료 구분

1. 종이

- 불검출 = 검출한계 미만

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산업통상자원부고시 제2022-0220호 어린이제품 공통안전기준

3.1 유해화학물질 안전요건

3.1.3 프탈레이트계 가소제 (분석장비: GC-MS)

| 항목 | | 프탈레이트계 가소제 (%) | | | |
|--|-----------------------------|-------------------------|----------|----------|---------------|
| | | CAS 번호 | 검출한계 (%) | 시험결과 (%) | 허용치 (%) |
| | | | | 1 | |
| DEHP | Di-(2-ethylhexyl) phthalate | 117-81-7 | 0.005 | 불검출 | 총 합 0.1 이하 |
| DBP | Dibutyl phthalate | 84-74-2 | 0.005 | 불검출 | |
| BBP | Benzyl butyl phthalate | 85-68-7 | 0.005 | 불검출 | |
| DINP | Diisononyl phthalate | 28553-12-0 / 68515-48-0 | 0.005 | 불검출 | |
| DIDP | Diisodecyl phthalate | 26761-40-0 / 68515-49-1 | 0.005 | 불검출 | |
| DnOP | Di-n-octyl phthalate | 117-84-0 | 0.005 | 불검출 | |
| DIBP | Diisobutyl phthalate | 84-69-5 | 0.005 | 불검출 | |
| 합계* (DEHP + DBP + BBP + DINP + DIDP + DnOP + DIBP) | | | | 불검출 | -- |

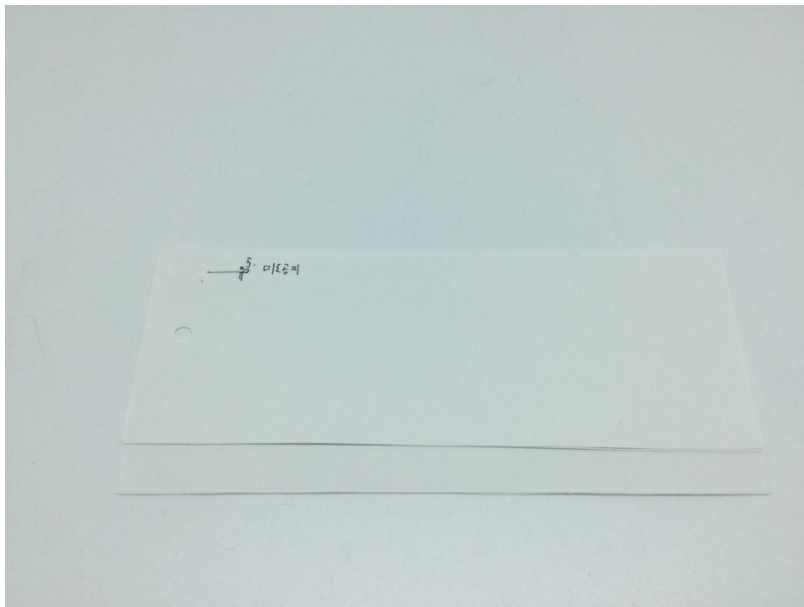
시료 구분

1. 종이

- 불검출 = 검출한계 미만
- 1 % = 10 000 mg/kg
- 합계* = 검출한계 이상의 검출치의 총합

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수령한 시료의 사진 :



AYHA24-04202

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