

페이지 1/5

고	객	명	: 무림페이퍼(주)
주		소	: 경상남도 진주시 남강로 1003(상평동)



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제 출 처	:	-
제 조 자 명	:	-
제 조 국	:	-
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시 료 접 수 일	:	2024. 01. 10
시 험 기 간	:	2024. 01. 10 ~ 2024. 01. 17
시험성적서의 용도	:	공급자적합성 확인
시 험 수 행	:	한국에스지에스㈜에서 수행된 시험은 고객이 제공한 시료에 대하여 고객이 요청한 방법에 의해 실행되고 협의된 내용임을 알려드립니다.
시 험 방 법	:	어린이제품 공통안전기준 [사업통상자의보고 사 제 2022 0220 호(2022 12 14)]
시험항목 및 결과	:	[산업통상자원부고시 제 2022-0220 호(2022.12.14.)] 자세한 결과는 다음 장을 참조하세요
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mmelo Oh 박 승 남 오 동 진

기술책임자 / 한국에스지에스㈜

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발행일: 2024. 01. 17 페이

산업통상자원부고시 제 2022-0220 호 어린이제품 공통안전기준 3.1 유해화학물질 안전요건

3.1.1 유해원소 용출 (분석장비: ICP-OES)

		유해원소 용출								
시험항목		안티모니 (Sb)	비소 (As)	바륨 (Ba)	카드뮴 (Cd)	크로뮴 (Cr)	납 (Pb)	수은 (Hg)	셀레늄 (Se)	
허용치 (mg/kg)		60 이 하	25 이하	1 000 0 ਰੋਮ	75 이 하	60 이 하	90 이 하	60 이 하	500 이 하	
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	불검출	

위 시험결과는 보정률을 적용한 결과임.

시료 구분

1. 하양 종이

- 불검출 = 검출한계 미만

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산업통상자원부고시 제 2022-0220 호 어린이제품 공통안전기준 3.1 유해화학물질 안전요건 3.1.2 유해원소 함유량 (분석장비: ICP-OES)

3.1.2 유해원소 함유량

		총 납 (시험장비: ICP-OES)					총 카드뮴 (시험장비: ICP-OES)		
· · · · · · · · · · · · · · · · · · ·		허용치 (mg/kg)	검출한계 (mg/kg)	시험결과 (mg/kg)	항목		허용치 (mg/kg)	검출한계 (mg/kg)	시험결과 (mg/kg)
초납	1	100 이하	20	불검출	총 카드뮴	1	75 이하	5	불검출

시료 구분

1. 하양 종이

불검출 = 검출한계 미만

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산업통상자원부고시 제 2022-0220 호 어린이제품 공통안전기준

3.1 유해화학물질 안전요건

3.1.3 프탈레이트계 가소제 (분석장비: GC-MS)

		프탈레이트계 가소제 (%)						
	항목	CAS 번호	검출한계 (%)	시험결과 (%)	허용치 (%)			
DEHP	Di-(2-ethylhexyl) phthalate	117-81-7	(%) 0.005	불검출	(%)			
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	총 합 0.1 이하			
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* (D	EHP + DBP + BBP + DINP + D	불검출						

<u> 시료 구분</u>

1. 하양 종이

- 불검출 = 검출한계 미만

- 1 % = 10,000 mg/kg

- 합계* = 검출한계 이상의 검출치의 총합

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