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TEST REPORT

(시 험 성 적 서)

신청기관 (인) : 금호석유화학 APPLICANT : Kumho Petrochemical					
주소 (한글) : 울산광역시 남구 처용로 260-257 ADDRESS (ENGL.) : 260-257, Cheoyong-ro, Nam-gu, Ulsan, Korea					
시험성적서 번호 (REPORT	NO.) :RT23R-S0247-008-K		(PAGE) : 1 of 5 (DATE) : 2023. 01. 17.	
시료 명세 (SAMPLE DESCRIPTIC		:시료에 대한 상세한 정보는 아래와 같음 (The following submitted sample(s) said to be)			
제품명/형식 (NAME/TYPE OF PRC		: SAN 350 CHW (SAN 350 CHW)			
재질 (NAME OF MATERIAI	L)	: SAN (SAN)			
시료고유번호 (SAMPLE ID NO.)		: RT23R-S0247-008 (RT23R-S0247-008)			
제품 생산자/공급자 (MANUFACTURER/VI		: 금호석유화학 (Kumho Petrochemical)			
시료접수일자 (SAMPLE RECEIVED)		: 2023. 01. 10. (Jan. 10, 2023)			
시험일자 (TESTING DATE)		: 2023. 01. 10. ~ 2023. 01. 17. (Jan. 10, 2023 ~ Jan. 17, 2023)			
시험방법 (TEST METHOD)		: 이 시험성적서의 다음 페이지 첨부 (Please see the following page)			
시험결과 (TEST RESULT)		: 이 시험성적서의 다음 페이지 첨부 (Please see the following page)			
비고 (Notes): 1. 이 시험성적서는 제시된 시료 및 시료명으로 시험한 결과로서 유사 대상시료에 적용할 수 없음.					

(The test results presented in this report refer only to the object tested.) 2. 이 시험성적서는 승인없이 복사 사용을 금함.

(This report shall not be reproduced except in full without the written approval of the testing laboratory.)

승인자 (Approved by)

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장준용/기술책임자 (Jade Jang / Lab. Technical Manager)

권한자 (Authorized by)



박병옥/소장 (Bo Park / Lab. General Manager)

Authenticity check

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TEST REPORT (시 험 성 적 서)

발행면수 (PAGE):2 of 5 발행일자 (DATE):2023.01.17.

시험성적서 <u>번호 (REPORT NO.) : RT23R-S0247-008-K</u>

시료고유번호 (SAMPLE ID NO.) : RT23R-S0247-008 시료명 (SAMPLE DESCRIPTION) : SAN 350 CHW

(SAN 350 CHW)

지엄양국 (PEST ITEM) (UNIT) (UST METHOD) (ADD) (RESUUT) 카드륨 (Cadmium, Cd) 매g/kg (RESUUT) 가드륨 (Cadmium, Cd) 매g/kg (RESUUT) 가드륨 (Lead, Pb) 매g/kg (RESUUT) 수은 (Mercury, Hg) mg/kg (RESUUT) 수은 (Mercury, Hg) mg/kg (RESUUT) 수은 (Mercury, Hg) mg/kg (RESUUT) 주는 (Mercury, Hg) mg/kg (RESUUT) 주도 (Mercury, Hg) (RESUUT) 주도 (Mercury, Hg) (RESUUT) 주도 (Mercury, Hg) (RESUUT) (R	(SAN 350 C 시험항목	다 다 위	분석방법	검출한계	시험결과
카드륨 (Cadmium, Cd) mg/kg With reference to IEC 62321-5 Edition 1.0 : 2013, by acid digestion and determined by ICP-OES 0.5 N.D. 수은 (Mercury, Hg) mg/kg With reference to IEC 62321-2 Edition 1.0 : 2013, by acid digestion and determined by ICP-OES 5 N.D. 67 크롬 (Hexavalent Chromium, Cr ⁶⁺) mg/kg With reference to IEC 62321-7 2 Edition 1.0 : 2017, by alkaline/toluene digestion and determined by UV-VIS Spectrophotometer 8 N.D. 폴리브롭화비페닐 (Polybrominated Biphenyls, PBBs) S N.D. 8 N.D. 모노브로모비페닐 (InetaBB) mg/kg S N.D. 5 N.D. 행타브로모비페닐 (PentaBB) mg/kg S N.D. 5 N.D. 물리브로와비페닐 (NonaBB) mg/kg S N.D. 5 N.D. 월라브로모비페닐 (PentaBB) mg/kg S N.D. 5 N.D. 물리브로모비페닐 (NonaBB) mg/kg S N.D. 5 N.D. 월라브로모비페닐 (PentaBB) mg/kg S N.D. 5 N.D. 도나브로모비페닐 (NonaBB) mg/kg S N.D. 5 N.D.		- • •			
기근 딸 (Ladmium, Ca)img/kgIEC 62321-5 Edition 1.0 : 2013, by acid digestion and determined by ICP-OES0.5N.D.같 (Lead, Pb)mg/kgWith reference to IEC 62321-4 : 2013/AMD1 : DOT, Pb acid digestion and determined by ICP-OES2N.D.6가 크롱 (Hexavalent Chromium, Cr ⁶⁺)mg/kgWith reference to IEC 62321-7 : 2013/ADD1 : Dy alkaline/toluend digestion and determined by UCP-OES8N.D.6가 크롱 (Hexavalent Chromium, Cr ⁶⁺)mg/kgWith reference to IEC 62321-7 : 2017, by alkaline/toluend digestion and determined by UCP-OES8N.D.물리브롱꼬비페닐 (Polybrominated Biphenyls, PBBs)E5N.D.모노브로꼬비페닐 (InBB)mg/kg5N.D.텔타브로꼬비페닐 (PentaBB)mg/kg5N.D.핵사브로꼬비페닐 (PentaBB)mg/kg5N.D.핵나브로꼬비페빌 (PentaBB)mg/kg5N.D.핵사브로꼬비페빌 (DecaBB)mg/kg5N.D.역타브로꼬비페빌 (DecaBB)mg/kg5N.D.액/bl=로꼬비페빌 (DecaBB)mg/kg5N.D.말리브로꼬미페빌에테르 (Polybrominated Diphenyl Ethers, PBEs)5N.D.모노브로꼬디페닐에테르 (DebD)mg/kg5N.D.릴리브로꼬디페닐에테르 (DebD)mg/kg5N.D.텔라브로꼬디페닐에테르 (PentaBD)mg/kg5N.D.텔리브로꼬디페닐에테르 (PentaBD)mg/kg5N.D.텔리브로꼬디페닐에테르 (DebD)mg/kg5N.D.텔리너를꼬디페닐에테르 (TriBDE)mg/kg5N.D.텔리너를꼬디페닐에테르 (PentaBDE)mg/kg5N.D.텍타르로꼬디페닐에테르 (HextaBDE)mg/kg5		(UNIT)	, ,	(MDL)	(RESULI)
법 (Lead, Pb)mg/kgdetermined by ICP-OES5N.D.수은 (Mercury, Hg)mg/kgWith reference to IEC 62321-7-2 Edition 1.0 : 2017, by alkaline/toluene digestion and determined by ICP-OES2N.D.6가 크롬 (Hexavalent Chromium, Cr ⁶⁺)mg/kgWith reference to IEC 62321-7-2 Edition 1.0 : 2017, by alkaline/toluene digestion and determined by UV-VIS8N.D.호그브록화비패널 (Polybrominated Bipheryts, PBBs)F5N.D.모노브로모비패널 (MonoBB)mg/kg5N.D.데타그브로모비패널 (PolyBrominated Bipheryts, PBBs)5N.D.모노브로모비패널 (PolyBa)mg/kg5N.D.데타그브로모비패널 (PolyBa)mg/kg5N.D.데타그브로모비패널 (PolyBa)mg/kg5N.D.데타그브로모비패널 (PentaBB)mg/kg5N.D.엔타브로모비패널 (PentaBB)mg/kg5N.D.업타브로모비패널 (PentaBB)mg/kg5N.D.역타브로모비패널 (Polybrominated Diphenyl Ethers, PBDE)5N.D.도나프로모디패널에테르 (NonoBBE)mg/kg5N.D.클리니트로모디패널에테르 (Polybrominated Diphenyl Ethers, PBDE)5N.D.프로니트로모디패널에테르 (NonoBDE)mg/kg5N.D.테타르노로모디패널에테르 (NonoBDE)mg/kg5N.D.테타르나트로모디패널에테르 (PentaBDE)mg/kg5N.D.테타르로모디패널에테르 (NonaBDE)mg/kg5N.D.데타르로모디패널에테르 (NonaBDE)mg/kg5N.D.데타르로모디패널에테르 (NonaBDE)mg/kg5N.D.데타르로모디패널에테르 (NonaBDE)mg/kg5N.D.데타르로모디패널에테르 (NonaBDE)mg/kg<	카드뮴 (Cadmium, Cd)	mg/kg	IEC 62321-5 Edition 1.0 : 2013,	0.5	N.D.
수은 (Mercury, Hg)mg/kgIEC 62321-4 : 2013/AMD1 : 2017, by acid digestion and determined by ICP-OES2N.D.6가 크롬 (Hexavalent Chromium, Cr ⁶⁺)mg/kgWith reference to IEC 62321-7-2 Edition 1.0 : 2017, by alkaline/foluene digestion and determined by UV-VIS Spectrophotometer8N.D.프리브롬화비페닐 (Polybrominated Biphenyts, PBBs)mg/kg5N.D.모노브로모비페닐 (IniBB)mg/kg5N.D.테르라브로모비페닐 (TriBB)mg/kg5N.D.테타브로모비페닐 (PentaBB)mg/kg5N.D.텍타브로모비페닐 (PentaBB)mg/kg5N.D.텍타브로모비페닐 (DecaBB)mg/kg5N.D.직타브로모비페닐 (PentaBB)mg/kg5N.D.직타브로모비페닐 (NonaBB)mg/kg5N.D.직타브로모비페닐 (NonaBB)mg/kg5N.D.데카브로모니페닐 (NonaBB)mg/kg5N.D.데카브로모니페닐 (NonaBB)mg/kg5N.D.프리브롬화디페닐에테르 (Polybrominated Diphenyl Etters, PBDEs)5N.D.프라이브로모디페닐에테르 (NonoBDE)mg/kg5N.D.테르라브로모디페닐에테르 (NonaBDE)mg/kg5N.D.테티라브로모디페닐에테르 (NeraBDE)mg/kg5N.D.테타브로모디페닐에테르 (HexaBDE)mg/kg5N.D.테타브로모디페닐에테르 (HexaBDE)mg/kg5N.D.테타브로모디페닐에테르 (HexaBDE)mg/kg5N.D.테타너로모디페닐에테르 (HexaBDE)mg/kg5N.D.테타너로모디페닐에테르 (HexaBDE)mg/kg5N.D.테타너로모디페닐에테르 (HexaBDE)mg/kg5N.D.테타너로모디페닐에테르 (HexaBDE) <t< td=""><td>납 (Lead, Pb)</td><td>mg/kg</td><td></td><td>5</td><td>N.D.</td></t<>	납 (Lead, Pb)	mg/kg		5	N.D.
6가 크롬 (Hexavalent Chromium, Cr ⁶)mg/kgIEC 62321-7-2 Edition 1.0 : 2017, by alkaline/toluene digestion and determined by UV-VIS Spectrophotometer8N.D.폴리브롬화비페닐 (Polybrominated Bipheryts, PBBs)mg/kg5N.D.도노브로모비페닐 (NonoBB)mg/kg5N.D.트라이브로모비페닐 (TriBB)mg/kg5N.D.텐타브로모비페닐 (PertaBB)mg/kg5N.D.렌타브로모비페닐 (PertaBB)mg/kg5N.D.렌타브로모비페닐 (PertaBB)mg/kg5N.D.렌타브로모비페닐 (PertaBB)mg/kg5N.D.엘타브로모비페닐 (PertaBB)mg/kg5N.D.일타브로모비페닐 (PertaBB)mg/kg5N.D.일타브로모비페닐 (PertaBB)mg/kg5N.D.일타브로모비페닐 (PertaBB)mg/kg5N.D.일타브로모니페닐 (PortaBB)mg/kg5N.D.일다브로모디페닐 (PertaBB)mg/kg5N.D.일다브로모디페닐 (PertaBB)mg/kg5N.D.일다브로모디페닐에테르 (Polybrominated Diphenyl Ethers5N.D.모노르로모디페닐에테르 (PertaBDE)mg/kg5N.D.테르라브로모디페닐에테르 (TriBDE)mg/kg5N.D.테르라브로모디페닐에테르 (PertaBDE)mg/kg5N.D.렌타브로모디페닐에테르 (HexaBDE)mg/kg5N.D.웹사브로모디페닐에테르 (HexaBDE)mg/kg5N.D.웹사브로모디페닐 이테르 (PotaBDE)mg/kg5N.D.웹스타르타르모디페닐 이테르 (PotaBDE)mg/kg5N.D.웹사트로모디페닐 이테르 (PotaBDE)mg/kg5N.D.웹사트로모디페닐 이테르 (PotaBDE)mg/kg5N.D. <td>수은 (Mercury, Hg)</td> <td>mg/kg</td> <td>IEC 62321-4 : 2013/AMD1 : 2017, by acid digestion and</td> <td>2</td> <td>N.D.</td>	수은 (Mercury, Hg)	mg/kg	IEC 62321-4 : 2013/AMD1 : 2017, by acid digestion and	2	N.D.
모도브로모니페닐 (MonoBB)mg/kg5N.D.다이브로모니페닐 (DiBB)mg/kg5N.D.테르라브로모니페닐 (TriBB)mg/kg5N.D.테타라르모니페닐 (PentaBB)mg/kg5N.D.핵사브로모니페닐 (PentaBB)mg/kg5N.D.핵사브로모니페닐 (PentaBB)mg/kg5N.D.핵나브로모니페닐 (PentaBB)mg/kg5N.D.학타브로모니페닐 (PentaBB)mg/kg5N.D.학타브로모니페닐 (PentaBB)mg/kg5N.D.도나브로모니페닐 (PentaBB)mg/kg5N.D.도나브로모니페닐 (NonaBB)mg/kg5N.D.태카르로모니페닐 (PentaBB)mg/kg5N.D.태카르로모니페닐 (PentaBB)mg/kg5N.D.프리트록화디패밀에테르 (Polybromitate-Directorectorectorectorectorectorectorecto		5. 5	IEC 62321-7-2 Edition 1.0 : 2017, by alkaline/toluene digestion and determined by UV-VIS	8	N.D.
다이브로모비페닐 (DiBB) mg/kg 트라이브로모비페닐 (TriBB) mg/kg 테트라브로모비페닐 (TertaBB) mg/kg 펜타브로모비페닐 (TertaBB) mg/kg 헬사브로모비페닐 (TertaBB) mg/kg 핵사브로모비페닐 (TertaBB) mg/kg S N.D. Terte로모비페닐 (TertaBB) mg/kg S N.D. Terte로모비페닐 (TertaBB) mg/kg S N.D. S N.D. Yeite로모니페닐 (TertaBB) mg/kg S N.D. S N.D. Yeite로모니페닐 (TertaBDE) mg/kg S N.D. S N.D. Yeite로모니페닐 (DecaBB) mg/kg S N.D. Yeite로모니페닐 이테르 (MonoBDE) mg/kg S N.D. Yeite로모디페닐 이테르 (TriBDE) mg/kg 핵사브로모디페닐 이테르 (PentaBDE) mg/kg	폴리브롬화비페닐 (Polybrominated Biphen	yls, PBBs)			
트라이브로모비페닐 (TriBB) mg/kg 테트라브로모비페닐 (TertaBB) mg/kg 펜타브로모비페닐 (TertaBB) mg/kg 텍사브로모비페닐 (PentaBB) mg/kg 핵사브로모비페닐 (HexaBB) mg/kg 핵사브로모비페닐 (HexaBB) mg/kg 핵나브로모비페닐 (NonaBB) mg/kg 노나브로모비페닐 (NonaBB) mg/kg 대카브로모비페닐 (NonaBB) mg/kg 도나브로모니페닐에테르 (Polybrominated Diphenyl Ethers, PBDEs) 5 모노브로모디페닐에테르 (NonoBDE) mg/kg 티르라브로모디페닐에테르 (TriBDE) mg/kg 테트라브로모디페닐에테르 (PentaBDE) mg/kg 테트라브로모디페닐에테르 (PentaBDE) mg/kg 테트라브로모디페닐에테르 (NonaBDE) mg/kg 텍타브로모디페닐에테르 (HexaBDE) mg/kg 핵사브로모디페닐에테르 (HexaBDE) mg/kg 핵사브로모디페닐에테르 (NonaBDE) mg/kg 핵나브로모디페닐에테르 (NonaBDE) mg/kg 학타브로모디페닐에테르 (NonaBDE) mg/kg 학타브로모디페닐에테르 (NonaBDE) mg/kg 학타브로모디페닐에테르 (NonaBDE) mg/kg 학니브로모디페닐에테르 (NonaBDE) mg/kg 학니브로모디페닐에테르 (NonaBDE) mg/kg 도나브로모디페닐에테르 (NonaBDE) mg/kg <t< td=""><td></td><td>mg/kg</td><td></td><td>5</td><td>N.D.</td></t<>		mg/kg		5	N.D.
테트라브로모비페닐 (TertaBB)mg/kgWith reference to5N.D.펜타브로모비페닐 (PentaBB)mg/kgIE 62321-6 Edition 1.0 : 2015, by solvent extraction and determined by GC/MS5N.D.획타브로모비페닐 (NeraBB)mg/kg5N.D.노나브로모비페닐 (NonaBB)mg/kg5N.D.데카브로모비페닐 (DecaBB)mg/kg5N.D.프라브록화디페닐에테르 (Polyborminated Diphenyl Ethers)5N.D.포노브로모디페닐에테르 (MonoBDE)mg/kg5N.D.테트라브로모디페닐에테르 (TriBDE)mg/kg5N.D.테트라르모디페닐에테르 (PentaBDE)mg/kg5N.D.테트라브로모디페닐에테르 (PentaBDE)mg/kg5N.D.테타브로모디페닐에테르 (PentaBDE)mg/kg5N.D.헤타브로모디페닐에테르 (PentaBDE)mg/kg5N.D.헤타브로모디페닐에테르 (PentaBDE)mg/kg5N.D.헤타브로모디페닐에테르 (NonaBDE)mg/kg5N.D.학타브로모디페닐에테르 (NonaBDE)mg/kg5N.D.우타브로모디페닐에테르 (NonaBDE)mg/kg5N.D.나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.누나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.누나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.누나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.누나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.누나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.누나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.누나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.누나브로모디페닐에테르 (mg/kg		5	N.D.
펜타브로모비페닐 (PentaBB) mg/kg IEC 62321-6 Edition 1.0 : 2015, by solvent extraction and determined by GC/MS 5 N.D. 헥사브로모비페닐 (HexaBB) mg/kg IEC 62321-6 Edition 1.0 : 2015, by solvent extraction and determined by GC/MS 5 N.D. 옥타브로모비페닐 (NonaBB) mg/kg mg/kg 5 N.D. 도나브로모비페닐 (NonaBB) mg/kg 5 N.D. 플리브롭화디페닐에테르 (Polybrominated Diphenyl Ethers, 모노브로모디페닐에테르 (DiBDE) mg/kg 5 N.D. 프라이브로모디페닐에테르 (DiBDE) mg/kg 5 N.D. 테트라브로모디페닐에테르 (TriBDE) mg/kg 5 N.D. 텍타브로모디페닐에테르 (PentaBDE) mg/kg 5 N.D. 텍타브로모디페닐에테르 (HexaBDE) mg/kg 5 N.D. 핵사브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 핵사브로모디페닐에테르 (HexaBDE) mg/kg 5 N.D. 핵사브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 핵사브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 핵사브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 학사브로모디페닐에테르 (NonaBDE) mg/kg 5		mg/kg		5	N.D.
핵사브로모비페닐 (HexaBB) mg/kg 핵타브로모비페닐 (HeptaBB) mg/kg 옥타브로모비페닐 (OctaBB) mg/kg 노나브로모비페닐 (NonaBB) mg/kg 데카브로모비페닐 (DecaBB) mg/kg 데카브로모비페닐 (DecaBB) mg/kg 프리브롬화디페닐에테르 (Polybrominated Diphenyl Ethers, PBDEs) 5 모노브로모디페닐에테르 (MonoBDE) mg/kg 다이브로모디페닐에테르 (DiBDE) mg/kg 테트라브로모디페닐에테르 (TriBDE) mg/kg 테트라브로모디페닐에테르 (PentaBDE) mg/kg 핵사브로모디페닐에테르 (HexaBDE) mg/kg 핵사브로모디페닐에테르 (HexaBDE) mg/kg 핵사브로모디페닐에테르 (IteraBDE) mg/kg 핵사브로모디페닐에테르 (NonaBDE) mg/kg 학타브로모디페닐에테르 (NonaBDE) mg/kg 옥타브로모디페닐에테르 (NonaBDE) mg/kg 우타브로모디페닐에테르 (NonaBDE) mg/kg 우타브로모디페닐에테르 (NonaBDE) mg/kg 오니브로모디페닐에테르 (NonaBDE) mg/kg 오니브로모디페닐에테르 (NonaBDE) mg/kg 오니브로모디페닐에테르 (NonaBDE) mg/kg 오니 프로모디페닐에테르 (NonaBDE) mg/kg 오니 프로모디페닐에테르 (NonaBDE) mg/kg 오니 프로모디페닐에테르 (NonaBDE) mg/kg	테트라브로모비페닐 (TertaBB)	mg/kg	With reference to	5	N.D.
비미그로고 기 메일 (Itexabb) Img/ kg determined by GC/MS 5 N.D. 헨타브로모비페닐 (HeptaBB) mg/kg 5 N.D. 오나브로모비페닐 (OctaBB) mg/kg 5 N.D. 도나브로모비페닐 (NonaBB) mg/kg 5 N.D. 데카브로모비페닐 (DecaBB) mg/kg 5 N.D. 프리브롬화디페닐에테르 (Polybrominated Diphenyl Ethers, PBDEs) 5 N.D. 모노브로모디페닐에테르 (DiBDE) mg/kg 5 N.D. 트라이브로모디페닐에테르 (TriBDE) mg/kg 5 N.D. 테트라브로모디페닐에테르 (PentaBDE) mg/kg 5 N.D. 텍사브로모디페닐에테르 (HeptaBDE) mg/kg 5 N.D. 텍타브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 핵사브로모디페닐에테르 (HeptaBDE) mg/kg 5 N.D. 핵사브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 핵사브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 핵사브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 학사브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 학사브로모디페닐에테르 (NonaBDE) <td< td=""><td>펜타브로모비페닐 (PentaBB)</td><td>mg/kg</td><td></td><td>5</td><td>N.D.</td></td<>	펜타브로모비페닐 (PentaBB)	mg/kg		5	N.D.
입다 프로포 하세 등 (Reptabb) Ing/kg 5 N.D. 옥타브로모비페닐 (OctaBB) mg/kg 5 N.D. 노나브로모비페닐 (NonaBB) mg/kg 5 N.D. 데카브로모비페닐 (DecaBB) mg/kg 5 N.D. 폴리브롬화디페닐에테르 (Polybrominated Diphenyl Ethers, PBDEs) 5 N.D. 모노브로모디페닐에테르 (DiBDE) mg/kg 5 N.D. 타이브로모디페닐에테르 (DiBDE) mg/kg 5 N.D. 테트라브로모디페닐에테르 (TriBDE) mg/kg 5 N.D. 테트라브로모디페닐에테르 (PentaBDE) mg/kg 5 N.D. 헨타브로모디페닐에테르 (HeptaBDE) mg/kg 5 N.D. 헬타브로모디페닐에테르 (LeptaBDE) mg/kg 5 N.D. 학타브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 옥타브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 오너브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 오너브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 오너브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D.		mg/kg		5	N.D.
노나브로모비페닐 (NonaBB)mg/kg5N.D.데카브로모비페닐 (DecaBB)mg/kg5N.D.폴리브롬화디페닐에테르 (Polybrominated Diphenyl Ethers, PBDEs) 5 N.D.모노브로모디페닐에테르 (MonoBDE)mg/kg5N.D.다이브로모디페닐에테르 (DiBDE)mg/kg5N.D.테트라브로모디페닐에테르 (TriBDE)mg/kg5N.D.테트라브로모디페닐에테르 (PentaBDE)mg/kg5N.D.텍사브로모디페닐에테르 (HexaBDE)mg/kg5N.D.핵사브로모디페닐에테르 (HexaBDE)mg/kg5N.D.핵타브로모디페닐에테르 (NonaBDE)mg/kg5N.D.옥타브로모디페닐에테르 (NonaBDE)mg/kg5N.D.노나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.노나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.노나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.노나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.노나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.노나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.노나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.노나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.노나브로모디페닐에테르 (NonaBDE)mg/kg5N.D.노나브로모디페닐 에테르 (NonaBDE)mg/kg5N.D.나브로모디페닐 에테르 (NonaBDE)mg/kg5N.D.		mg/kg	determined by GC/MS	5	N.D.
데카브로모비페닐 (DecaBB) mg/kg 5 N.D. 폴리브롬화디페닐에테르 (Polybrominated Diphenyl Ethers, PBDEs) 모노브로모디페닐에테르 (MonoBDE) mg/kg 5 N.D. 다이브로모디페닐에테르 (DiBDE) mg/kg 5 N.D. 트라이브로모디페닐에테르 (TriBDE) mg/kg 5 N.D. 테트라브로모디페닐에테르 (TetraBDE) mg/kg 5 N.D. 헨타브로모디페닐에테르 (PentaBDE) mg/kg 5 N.D. 헥타브로모디페닐에테르 (HexaBDE) mg/kg 5 N.D. ବ타브로모디페닐에테르 (CotaBDE) mg/kg 5 N.D. 우타브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 노나브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D.		mg/kg		5	N.D.
폴리브롬화디페닐에테르 (Polybrominated Diphenyl Ethers, PBDEs) 모노브로모디페닐에테르 (MonoBDE) mg/kg 다이브로모디페닐에테르 (DiBDE) mg/kg 트라이브로모디페닐에테르 (TriBDE) mg/kg 테트라브로모디페닐에테르 (TetraBDE) mg/kg 헨사브로모디페닐에테르 (PentaBDE) mg/kg 헥사브로모디페닐에테르 (HexaBDE) mg/kg 헬타브로모디페닐에테르 (HeptaBDE) mg/kg 옥타브로모디페닐에테르 (OctaBDE) mg/kg 노나브로모디페닐에테르 (NonaBDE) mg/kg 도나브로모디페닐에테르 (NonaBDE) mg/kg 도나브로모디페닐에테르 (NonaBDE) mg/kg	노나브로모비페닐 (NonaBB)	mg/kg		5	N.D.
모노브로모디페닐에테르 (MonoBDE) mg/kg 5 N.D. 다이브로모디페닐에테르 (DiBDE) mg/kg 5 N.D. 트라이브로모디페닐에테르 (TriBDE) mg/kg 5 N.D. 테트라브로모디페닐에테르 (TetraBDE) mg/kg 5 N.D. 헥사브로모디페닐에테르 (PentaBDE) mg/kg 15 N.D. 헥사브로모디페닐에테르 (HexaBDE) mg/kg 5 N.D. 헥타브로모디페닐에테르 (HeptaBDE) mg/kg 5 N.D. 옥타브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D. 노나브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D.	데카브로모비페닐 (DecaBB)	mg/kg		5	N.D.
다이브로모디페닐에테르 (DiBDE) mg/kg 트라이브로모디페닐에테르 (TriBDE) mg/kg 테트라브로모디페닐에테르 (TetraBDE) mg/kg 펜타브로모디페닐에테르 (PentaBDE) mg/kg 헥사브로모디페닐에테르 (HexaBDE) mg/kg 헬타브로모디페닐에테르 (HexaBDE) mg/kg 히타브로모디페닐에테르 (HeptaBDE) mg/kg 옥타브로모디페닐에테르 (OctaBDE) mg/kg 노나브로모디페닐에테르 (NonaBDE) mg/kg	폴리브롬화디페닐에테르 (Polybrominated	Diphenyl Ether	rs, PBDEs)		
트라이브로모디페닐에테르 (TriBDE) mg/kg 5 N.D. 테트라브로모디페닐에테르 (TetraBDE) mg/kg With reference to 5 N.D. 펜타브로모디페닐에테르 (PentaBDE) mg/kg IEC 62321-6 Edition 1.0 : 2015, by solvent extraction and determined by GC/MS 5 N.D. 직타브로모디페닐에테르 (HeptaBDE) mg/kg 5 N.D. 옥타브로모디페닐에테르 (OctaBDE) mg/kg 5 N.D. 노나브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D.		mg/kg		5	N.D.
테트라브로모디페닐에테르 (TetraBDE) mg/kg With reference to 5 N.D. 펜타브로모디페닐에테르 (PentaBDE) mg/kg IEC 62321-6 Edition 1.0 : 2015, by solvent extraction and determined by GC/MS 5 N.D. 웹사브로모디페닐에테르 (HeptaBDE) mg/kg by solvent extraction and determined by GC/MS 5 N.D. 옥타브로모디페닐에테르 (OctaBDE) mg/kg 5 N.D. 노나브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D.	다이브로모디페닐에테르 (DiBDE)	mg/kg		5	N.D.
펜타브로모디페닐에테르 (PentaBDE) mg/kg IEC 62321-6 Edition 1.0 : 2015, by solvent extraction and determined by GC/MS 5 N.D. 헥사브로모디페닐에테르 (HexaBDE) mg/kg by solvent extraction and determined by GC/MS 5 N.D. 옥타브로모디페닐에테르 (OctaBDE) mg/kg 5 N.D. 노나브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D.	트라이브로모디페닐에테르 (TriBDE)	mg/kg		5	N.D.
펜타브로모디페닐에테르 (PentaBDE) mg/kg IEC 62321-6 Edition 1.0: 2015, by solvent extraction and determined by GC/MS 5 N.D. 헥사브로모디페닐에테르 (HeptaBDE) mg/kg by solvent extraction and determined by GC/MS 5 N.D. 옥타브로모디페닐에테르 (OctaBDE) mg/kg 5 N.D. 노나브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D.	테트라브로모디페닐에테르 (TetraBDE)	mg/kg	With reference to	5	N.D.
····································	펜타브로모디페닐에테르 (PentaBDE)	mg/kg		5	N.D.
입다므로모디페일에대트 (Reptable) Img/kg 5 N.D. 옥타브로모디페일에테르 (OctaBDE) mg/kg 5 N.D. 노나브로모디페일에테르 (NonaBDE) mg/kg 5 N.D.	헥사브로모디페닐에테르 (HexaBDE)	mg/kg	1	5	N.D.
노나브로모디페닐에테르 (NonaBDE) mg/kg 5 N.D.	헵타브로모디페닐에테르 (HeptaBDE)	mg/kg	determined by GC/MS	5	N.D.
	옥타브로모디페닐에테르 (OctaBDE)	mg/kg]	5	N.D.
데카브로모디페닐에테르 (DecaBDE) mg/kg 5 N.D.	노나브로모디페닐에테르 (NonaBDE)	mg/kg]	5	N.D.
	데카브로모디페닐에테르 (DecaBDE)	mg/kg		5	N.D.

Tested by : Jooyeon Lee, Chano Kim, Hayan Park

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Notes: mg/kg = ppm = parts per million (함량 표시 : 백만분의 일) <= Less than (결과 값 이하)

N.D. = Not detected (< MDL, 미검출 – 검출한계 이하)

MDL = Method detection limit (검출한계)

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TEST REPORT (시 험 성 적 서)

발행면수 (PAGE): 3 of 5 발행일자 (DATE): 2023.01.17.

시험성적서 <u>번호 (REPORT NO.) : RT23R-S0247-008-K</u>

시료고유번호 (SAMPLE ID NO.) : RT23R-S0247-008 시료명 (SAMPLE DESCRIPTION) : SAN 350 CHW (SAN 350 CHW)

(SAN 350 CH	W)				
시험항목	CAS번호	단위	분석방법	검출한계	시험결과
(TEST ITEM)	(CAS NO.)	(UNIT)	(TEST METHOD)	(MDL)	(RESULT)
디부틸프탈레이트 (Dibutyl phthalate, DBP)	84-74-2	mg/kg		50	N.D.
디에틸헥실프탈레이트 (Di-(2-ethylhexyl) phthalate, DEHP)	117-81-7	mg/kg	With reference to IEC 62321-8 Edition 1.0 : 2017,	50	N.D.
벤질부틸프탈레이트 (Benzyl butyl phthalate, BBP)	85-68-7	mg/kg	by solvent extraction and determined by GC/MS	50	N.D.
디이소부틸프탈레이트 (Diisobutyl phthalate, DIBP)	84-69-5	mg/kg	GC/W3	50	N.D.

Tested by : Hayan Park

Notes: mg/kg = ppm = parts per million (함량 표시 : 백만분의 일) < = Less than (결과 값 이하) N.D. = Not detected (< MDL, 미검출 - 검출한계 이하) MDL = Method detection limit (검출한계)

* 시료 접수 시 시료 상태 : (View of sample as received)

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TEST REPORT

(시 험 성 적 서)

발행면수 (PAGE):4 of 5 발행일자 (DATE):2023.01.17. 시험성적서 번호 (REPORT NO.) : RT23R-S0247-008-K 시료고유번호 (SAMPLE ID NO.) : RT23R-S0247-008 시료명 (SAMPLE DESCRIPTION) : SAN 350 CHW (SAN 350 CHW) Flow Chart (IEC62321 Edition 1.0) Receipt Sampling/ Grinding or Cutting Cr PBBs /PBDEs Pb, Cd, Hg Polymers / Лeta Electronics For different material, Weigh sample digest the sample with and add organic Weigh sample Get 50cm² sample solvent appropriate acid^{*1} ¥ Soluble by NM Soxhlet extraction Confirm the tested or solvent extraction Boiling water Add alkaline, Completely dissolved and samples are then add alkaline solution toluene solution totally dissolved^{*2} extraction Heating Concentrate the Cool and filter extract and make up Make up with the extract with organic solvent deionized water * Make up with deionized water nd add diphenyl-carbazide solution Analyzed by ICP-OES Analyzed by GC-MS ¥ Analyzed by UV-VIS Data ¥ Report Remarks : *1 : List of appropriate acid :

Material	Acid added for digestion		
Polymers	HNO ₃ , HCl, HF, H₂O₂, H3BO ₃		
Metals	HNO ₃ , HCl, HF		
Electronics	HNO ₃ , HCl, H ₂ O ₂ , HBF ₄		

*2 : The samples were dissolved totally by pre-conditioning method according to above flow chart.

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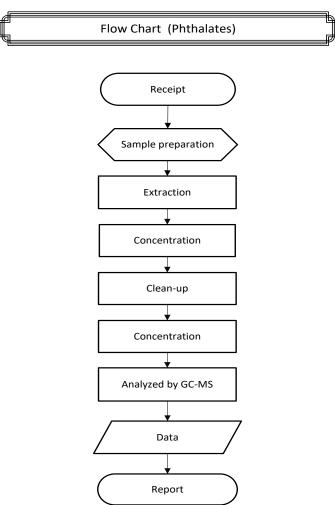


TEST REPORT

(시 험 성 적 서)

발행면수 (PAGE):5 of 5 발행일자 (DATE):2023.01.17.

시험성적서 번호 (REPORT NO.) : RT23R-S0247-008-K 시료고유번호 (SAMPLE ID NO.) : RT23R-S0247-008 시료명 (SAMPLE DESCRIPTION) : SAN 350 CHW (SAN 350 CHW)



***** End of Report *****

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