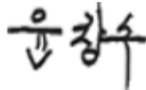



# 시험성적서

1. 성적서 번호 : CT13-72961
2. 의뢰자
  - 업체명 : 주식회사 지한
  - 주소 : 강원도 춘천시 후석로462번길 21
  - 의뢰일자 : 2013.07.15
  - 시험발급일 : 2013.09.06
3. 시험성적서의 용도 : 거래처 제출
4. 시료명 : 쾌유공간 수성페인트
5. 시험방법
  - (1) KS M 6010:2009
  - (2) KS M 6010 : 2009
  - (3) KS M ISO 11890-2:2012
  - (4) IEC 62321:2008

확인	작성자 성명	윤창수		기술책임자 성명	이송원	
비고 : 1. 이 성적서는 의뢰자가 제시한 시료 및 시료명으로 시험한 결과로서 전체 제품에 대한 품질을 보증하지는 않습니다. 2. 이 성적서는 홍보, 선전, 광고 및 소송용으로 사용될 수 없으며, 용도 이외의 사용을 금합니다.						

한국건설생활환경시험연구원



가산시험연구동 : 153-803 서울특별시 금천구 가산동 459-28 02-2102-2500  
 결과문의 : 신소재신뢰성센터 ☎ (02)2102-2509

# 시험성적서

성적서번호 : CT13-72961

## 6. 시험결과

### 1) 쾌유공간 수성페인트

시험항목	단위	시험방법	시험결과
주도	K.U	(1)	92
비휘발분(도료 중의)	%	(1)	51
건조 시간(고화)	분	(1)	20
은폐율	%	(1)	99.7
내세척성	회	(1)	500 회 이상
냉동 안정성	-	(1)	이상없음
용기 내에서의 상태	-	(1)	이상없음
내공팡이 시험	-	(2)	9
VOCs	g/L	(3)	0.0001
Pb	mg/kg	(4)	불검출(검출한계 5)
Cd	mg/kg	(4)	불검출(검출한계 1)
Cr <sup>6+</sup>	mg/kg	(4)	불검출(검출한계 1)
Hg	mg/kg	(4)	불검출(검출한계 1)
Polybrominated Biphenyls(PBBs)		(4)	
Bromobiphenyl	mg/kg	(4)	불검출(검출한계 5)
Dibromobiphenyl	mg/kg	(4)	불검출(검출한계 5)
Tr ibromobiphenyl	mg/kg	(4)	불검출(검출한계 5)
Tetrabromobiphenyl	mg/kg	(4)	불검출(검출한계 5)
Pentabromobiphenyl	mg/kg	(4)	불검출(검출한계 5)
Hexabromobiphenyl	mg/kg	(4)	불검출(검출한계 5)
Heptabromobiphenyl	mg/kg	(4)	불검출(검출한계 5)
Octabromobiphenyl	mg/kg	(4)	불검출(검출한계 5)
Nonabromobiphenyl	mg/kg	(4)	불검출(검출한계 5)
Decabromobiphenyl	mg/kg	(4)	불검출(검출한계 5)
Polybrominated Diphenyl Ethers(PBDEs)		(4)	
Bromodiphenyl ether	mg/kg	(4)	불검출(검출한계 5)
Dibromodiphenyl ether	mg/kg	(4)	불검출(검출한계 5)
Tr ibromodiphenyl ether	mg/kg	(4)	불검출(검출한계 5)
Tetrabromodiphenyl ether	mg/kg	(4)	불검출(검출한계 5)
Pentabromodiphenyl ether	mg/kg	(4)	불검출(검출한계 5)
Hexabromodiphenyl ether	mg/kg	(4)	불검출(검출한계 5)
Heptabromodiphenyl ether	mg/kg	(4)	불검출(검출한계 5)
Octabromodiphenyl ether	mg/kg	(4)	불검출(검출한계 5)
Nonabromodiphenyl ether	mg/kg	(4)	불검출(검출한계 5)
Decabromodiphenyl ether	mg/kg	(4)	불검출(검출한계 5)

---- 이 하 여 백 ----

# TEST REPORT

1. No : CT13-72961

Reissuance (R1)

2. Client :

Date : Sep. 06, 2013

○ Name : Jeehan Co.,Ltd

○ Address : 623-42,4-2 Hupyeong dong,Chuncheon-si ,Gangwon-do,Korea

○ Date of Receipt : Jul 15, 2013

○ Date of Issued : Sep 6, 2013

3. Use of Report : Quality management

4. Test Sample : The KW01 Y00 KONG KAN

5. Method :

(1) KS M 6010:2009

(2) KS M 6010 : 2009

(3) KS M ISO 11890-2:2012

(4) IEC 62321:2008

Affirmation	Tested By	Technical Manager
	Name : Yun Chang Soo <i>Yun chang soo</i>	Name : Lee, Song Won <i>S.W. Lee</i>
Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the qualities of the lot from which the sample was taken or of apparently identical or similar products.		

Korea Conformity Laboratories

President Song Jae Bin

*Jae Bin Song*

Address : 153-803 459-28, Gasan-Dong, Geumcheon-Gu, Seoul, Korea 82-2-2102-2500

Result Inquiry : Advanced Materials Reliability Center 82-2-2102-2509

# TEST REPORT

No : CT13-72961

## 6. Test Results

1) The KW01 Y00 KONG KAN

Test Item(s)	Unit	Test method used	Test Result(s)
Consistency, Krieb Units	K.U	(1)	92
Non-volatile content	%	(1)	51
Drying time(Dry-hard)	min	(1)	20
Hiding power	%	(1)	99.7
Scrubbability	cycle	(1)	More than 500
Stability of frozen	-	(1)	None
Condition in container	-	(1)	None
Fungal resistance test	-	(2)	9
VOCs	g/L	(3)	0.0001
Pb	mg/kg	(4)	N.D.(detection limit 5)
Cd	mg/kg	(4)	N.D.(detection limit 1)
Cr <sup>6+</sup>	mg/kg	(4)	N.D.(detection limit 1)
Hg	mg/kg	(4)	N.D.(detection limit 1)
Polybrominated Biphenyls(PBBs)		(4)	
Bromobiphenyl	mg/kg	(4)	N.D.(detection limit 5)
Dibromobiphenyl	mg/kg	(4)	N.D.(detection limit 5)
Tribromobiphenyl	mg/kg	(4)	N.D.(detection limit 5)
Tetrabromobiphenyl	mg/kg	(4)	N.D.(detection limit 5)
Pentabromobiphenyl	mg/kg	(4)	N.D.(detection limit 5)
Hexabromobiphenyl	mg/kg	(4)	N.D.(detection limit 5)
Heptabromobiphenyl	mg/kg	(4)	N.D.(detection limit 5)
Octabromobiphenyl	mg/kg	(4)	N.D.(detection limit 5)
Nonabromobiphenyl	mg/kg	(4)	N.D.(detection limit 5)
Decabromobiphenyl	mg/kg	(4)	N.D.(detection limit 5)
Polybrominated Diphenyl Ethers(PBDEs)		(4)	
Bromodiphenyl ether	mg/kg	(4)	N.D.(detection limit 5)
Dibromodiphenyl ether	mg/kg	(4)	N.D.(detection limit 5)
Tribromodiphenyl ether	mg/kg	(4)	N.D.(detection limit 5)
Tetrabromodiphenyl ether	mg/kg	(4)	N.D.(detection limit 5)

# TEST REPORT

No : CT13-72961

## 6. Test Results

Pentabromodiphenyl ether	mg/kg	(4)	N.D.(detection limit 5)
Hexabromodiphenyl ether	mg/kg	(4)	N.D.(detection limit 5)
Heptabromodiphenyl ether	mg/kg	(4)	N.D.(detection limit 5)
Octabromodiphenyl ether	mg/kg	(4)	N.D.(detection limit 5)
Nonabromodiphenyl ether	mg/kg	(4)	N.D.(detection limit 5)
Decabromodiphenyl ether	mg/kg	(4)	N.D.(detection limit 5)

----- End of Report -----