



Test
TS EN ISO/IEC 17025
AB-0690-T

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TR1794333
09-20

TEST RAPORU

Rapor No:TR1794333

Tarih:16.09.2020

DİNLER GRUP EĞİTİM DANIŞMANLIK İNŞAAT SAN. TİC. LTD. ŞTİ.
ECE MAH. ARAPEVLIYA SOKAK NO:15/1 SİVAS
TEL: 0536 450 25 19
FAX:

Gökhan Bey'in Dikkatine

Aşağıdaki örnek(ler), müşteri tarafından / adına sunuldu ve tanımlandı:

Numune Gönderen : DİNLER GRUP EĞİTİM DANIŞMANLIK İNŞAAT SAN. TİC. LTD. ŞTİ.
Numune Tanımı : WINFLEX SOUND AND HEAT INSULATION BLANKET
Marka İsmi: : WINFLEX
İhracat Bölgesi : TÜRKİYE
Numune Alma Tarihi : 11 Eylül 2020
Test Periyodu : 11 Eylül 2020 ~ 16 Eylül 2020
İstenen Testler : Selected test(s) as requested by client.
Test Metodu : Please refer to next page(s)
Test Sonuçları : Please refer to next page(s)

Sonuç : Sunulan numunelerin seçilen kısmı üzerinde yapılan testlere dayanarak, Kurşun, Civa, Kadmiyum, Altı değerlikli krom, Polikromlu bifenillerin (PBB), Polikromlu difenil eterler (PBDE), Bis (2-etilheksil) fitalat (DEHP), Butil benzil fitalat (BBP), Dibutil fitalat (DBP) ve Diizobutil fitalat (DIBP) sonuçları, 2011/65/EU Direktifi Ek II'de değişiklik yapan (EU) 2015/863 sayılı Direktif tarafından belirlenen sınırlara uymuştur.

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Unless otherwise requested SGS applies shared risk decision rule

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless further specified in an individual contract the sample(s) retention time is 30 days"

In this Test Report tests marked (1) are included in the TÜRKAK Accreditation Scope of this Laboratory.

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The test results relate to the tested items only.
Test reports without SGS seal and authorized signatures are invalid.
Reported results do not include uncertainties.

Issued in Istanbul
Signed for and on behalf of
SGS Supervise Gözetme Etüd
Kontrol Servisleri A.Ş.

Uğur Yılmaz
Hardline & CPCH Müşteri Hizmetleri Ekip Lideri

Bora Şirinbilek
Hardline & CPCH Test Hizmetleri Müdürü



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SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

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Member of the SGS Group

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Test Paçası Tanımı:

1

1.1

Ses ve Isı Yalıtım Şiltesi

Sarı Sünger-Köpük Zemin

SONUÇ

GEÇTİ

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Test Edilen Numune:	SONUÇLAR
	1.1
Kadmiyum (Cd)	ND
Kurşun (Pb)	ND
Civa (Hg)	ND
Altı değerlikli Krom (Cr(VI)) (ppm) (metal olmayanlar için)	ND
Altı değerlikli Krom (Cr(VI)) ($\mu\text{g}/\text{cm}^2$) (metaller için)	NA
Alev Geciktiriciler	
Toplam PBB'ler	ND
Monobromobiphenyl	ND
Dibromobiphenyl	ND
Tribromobiphenyl	ND
Tetrabromobiphenyl	ND
Pentabromobiphenyl	ND
Hexabromobiphenyl	ND
Heptabromobiphenyl	ND
Octabromobiphenyl	ND
Nonabromobiphenyl	ND
Decabromobiphenyl	ND
Toplam PBDE'ler	ND
Monobromodiphenyl ether	ND
Dibromodiphenyl ether	ND
Tribromodiphenyl ether	ND
Tetrabromodiphenyl ether	ND
Pentabromodiphenyl ether	ND
Hexabromodiphenyl ether	ND
Heptabromodiphenyl ether	ND
Octabromodiphenyl ether	ND
Nonabromodiphenyl ether	ND
Decabromodiphenyl ether	ND
Fitalatlar	
Dibutil fitalat (DBP)	ND
Benzil butil fitalat (BBP)	ND
Dietil hexyl fitalat (DEHP)	ND
Diisobutil fitalat (DIBP)	ND

Açıklama :	ppm = Numunenin kuru ağırlığına göre milyon başına parça sayısı (1 mg / kg =% 0.0001)
	$\mu\text{g} / \text{cm}^2$ = Santimetre kare başına mikrogram
	50 cm^2 ile mg / kg = 50 santimetre kare ile kilogram başına milligram
	ND = Tespit Edilmedi (<MDL)
	NA = Uygun Değil
	NR = Talep Edilmedi
	MDL = Metot Deteksiyon Limiti

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GEREKLİLİK	LİMİTLER	
Kadmiyum (Cd)	0.01 % (100 ppm)	
Kurşun (Pb)	0.1 % (1000 ppm)	
Civa (Hg)	Kolorimetrik Sonuç < 0.10 µg/cm ² ≥ 0.10 µg/cm ² ve ≤ 0.13 µg/cm ² > 0.13 µg/cm ²	Kalitatif Sonuç Negatif Yorumsuz Pozitif
Altı değerlikli Krom (Cr(VI)) (ppm) (metal olmayanlar için)	0.1 % (1000 ppm)	
Altı değerlikli Krom (Cr(VI)) (µg/cm ²) (metaller için)	0.1 % (1000 ppm)	
PBB	0.1 % (1000 ppm)	
PBBDE	0.1 % (1000 ppm)	
Dibutil fitalat (DBP)	0.1 % (1000 ppm)	
Benzil butil fitalat (BBP)	0.1 % (1000 ppm)	
Dietil hexyl fitalat (DEHP)	0.1 % (1000 ppm)	
Diisobutil fitalat (DIBP)	0.1 % (1000 ppm)	

Test Edilen Numune	Test Metodu	Raporlama Limiti
Kadmiyum (Cd)	With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.	2 ppm
Kurşun (Pb)	With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.	2 ppm
Civa (Hg)	With reference to IEC 62321-4:2013+A1:2017, determination of Mercury by ICP-OES.	2 ppm
Altı değerlikli Krom (Cr(VI)) (ppm) (metal olmayanlar için)	With reference to IEC 62321-7-2:2017, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.	8 ppm
Altı değerlikli Krom (Cr(VI)) (µg/cm ²) (metaller için)	With reference to IEC 62321-7-1:2015, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.	0.1 µg/cm ² with 50 cm ² (IN TESTING SOLUTION)
PBB'ler/PBDE'ler	With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.	5 ppm
Fitalatlar	With reference to IEC 62321-8:2017, determination of phthalates by GC-MS.	50 ppm

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Notlar:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863. IEC 62321 series is equivalent to EN 62321 series
http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25
- (2) On 4 June 2015, [Commission Directive \(EU\) 2015/863](#) was published in the Official Journal of the European Union (OJEU) to include the phthalates BBP, DBP, DEHP and DIBP into ANNEX II of the Rohs Recast Directive. The new law restricts each phthalate to no more than 0.1% in each homogeneous material of an electrical product.
- (3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.
- (4) The restriction of DEHP, BBP, DBP and DIBP shall not apply to cables or spare parts for the repair, the reuse, the updating of functionalities or upgrading of capacity of EEE placed on the market before 22 July 2019, and of medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, placed on the market before 22 July 2021.
- (5) The restriction of DEHP, BBP and DBP shall not apply to toys which are already subject to the restriction of DEHP, BBP and DBP through entry 51 of Annex XVII to Regulation (EC) No 1907/2006.

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Rapor Sonu

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