

Report No.: 111697669

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Client: AKINAL AYAKKABICILIK SAN. VE TİC.A.Ş.
2. ORG. SAN. BÖL. 83203 NOLU CAD. NO: 15 ŞEHİTKAMİL ŞEHİTKAMİL-
GAZİANTEP

**Identification/
Model No(s):** Child Clogs
E012.B.037

Sample Receiving date: 2019-10-04

Test Specification: Restricted Substance List , January 2019

Test result:

Requirement	Conclusion
(Jan2019)-Phthalates Content	PASS
Polycyclic aromatic hydrocarbons (PAHs) (Ref. CEN ISO/TS 16190 and DIN SPEC 52412)	PASS
(Jan2019)-SCCP	PASS
(Jan2019)-CPSIA Sect 101: Total lead content in substrate materials	PASS
(Jan2019)-Total Cd, As	PASS
(Jan2019)-Chlorinated Phenol	PASS
(Jan2019)-Banned azo dyes	N/A*
-Biocide - Dimethylfumarate (DMFU)	N/A*

General Information:

Test Subject : Child Clogs
Color : White/Multi
Application Ref No. : /
Model No. : E012.B.037
Factory/Supplier : Akinal Ayakkabıcılık
Country of Origin : Turkey
Test Period : 2019-10-04 to 2019-10-15



Other information:

*Not applicable due to material type.

For and on behalf of
TÜV Rheinland Uluslararası Standartlar Sertifikasyon ve Denetim A.Ş.



Tomris Hasağcebi / Customer Relations Manager



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The results given in this report belong to the received sample by vendor.

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Test Summary

Standard Test Requested	Result Deichmann	Result CADS	Failed Component(s)	Remark
Restricted Substance List	-	-	-	-
Phthalates	-	Pass	-	-
Polycyclic aromatic hydrocarbons (PAHs)	-	Pass	-	-
Flame - Retardant Finishing - SCCP	-	Pass	-	-
CPSIA Sect 101: Total lead content in substrate materials	Pass	-	-	-
Total Cadmium and Total Arsenic Content	Pass	Pass	-	-
Chlorinated Phenols	-	Pass	-	-

Material List:

Item: Child Clogs
E012.B.037 / White-Multi

Material No.	Material	Color	Location	Remark
M001	Plastic + printing	Multicolor	Upper&Insock	-
M002	Plastic + printing	Pink/Black	Strap w/print	-
M003	Plastic	White	Strap joint	-

1.Phthalates content

Test Method: With reference to CADS Test Method

Test Result:

Test No.				T001	T002
Material No.				M001	M002 + M003
Test Parameter	CAS NO	Unit	RL	Result	Result
Dibutyl phthalate (DBP)	84-74-2	%	0.005	n.d.	n.d.
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	n.d.	n.d.
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	n.d.	n.d.
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	n.d.	n.d.
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	n.d.	n.d.
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	n.d.	n.d.
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	n.d.	n.d.
Di-n-hexylphthalate(DnHP)	84-75-3	%	0.005	n.d.	n.d.
Diisopentylphthalate(DIPP)	605-50-5	%	0.005	n.d.	n.d.
n-Pentyl-isopentyl phthalate	776297-69-9	%	0.005	n.d.	n.d.
Diethyl phthalate (DEP)	84-66-2	%	0.005	n.d.	n.d.
Bis-(2-methoxyethyl)-phthalate (BMEP)	117-82-8	%	0.005	n.d.	n.d.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.005	n.d.	n.d.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl ester (DHNUP)	68515-42-4	%	0.005	n.d.	n.d.
1,2-Benzenedicarboxylic acid,dipentylester,branched and linear	84777-06-0	%	0.005	n.d.	n.d.
Dimethyl phthalate (DMP)	131-11-3	%	0.005	n.d.	n.d.
Dicyclohexyl phthalate (DCP)	84-61-7	%	0.005	n.d.	n.d.
Conclusion	--	--	--	n.d.	n.d.
Di-n-pentyl Phthalate (DPENP/DPP)	131-18-0	%	0.005	n.d.	n.d.

Abbreviation: n.d. = Not Detected (< RL)
RL = Reporting Limit
NA = Not Applicable
% = percentage

CADS Requirement :	
Pass	Fail
500 mg/kg each Phthalate	≥ 500 mg/kg each Phthalate
Limit for each material	

Remark:

*1 Single component with an amount below reporting limit was not considered by the calculation of the sum. In the case of all phthalates were not detected, the result is stated n.d.

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2.Polycyclic aromatic hydrocarbons (PAHs)

Test Method: With reference to CEN ISO/TS 16190 and DIN SPEC 52412(Extraction with n-Hexane/GC-MS)

Test Result:

Test No.				T001	T002
Material No.				M001	M002 + M003
Test Parameter	CAS NO	Unit	RL	Result	Result
Acenaphthene	83-32-9	mg/kg	0.1	n.d.	n.d.
Acenaphthylene	208-96-8	mg/kg	0.1	n.d.	n.d.
Anthracene	120-12-7	mg/kg	0.1	n.d.	n.d.
Benzo[a]anthracene	56-55-3	mg/kg	0.1	n.d.	n.d.
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.1	n.d.	n.d.
Benzo[b]fluoranthene	205-99-2	mg/kg	0.1	n.d.	n.d.
Benzo[k]fluoranthene	207-08-9	mg/kg	0.1	n.d.	n.d.
Benzo[j]fluoranthene	205-82-3	mg/kg	0.1	n.d.	n.d.
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.1	n.d.	n.d.
Benzo(e)pyrene	192-97-2	mg/kg	0.1	n.d.	n.d.
Chrysene	218-01-9	mg/kg	0.1	n.d.	n.d.
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.1	n.d.	n.d.
Fluoranthene	206-44-0	mg/kg	0.1	n.d.	n.d.
Fluorene	86-73-7	mg/kg	0.1	n.d.	n.d.
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.1	n.d.	n.d.
Naphthalene	91-20-3	mg/kg	0.1	n.d.	n.d.
Phenanthrene	85-01-8	mg/kg	0.1	n.d.	n.d.
Pyrene	129-00-0	mg/kg	0.1	n.d.	n.d.
Sum of all REACH and EPA PAH	NA	mg/kg	0.1	n.d.	n.d.

Abbreviation: n.d. = not detected (<RL)
RL = Reporting Limit
N.A. = Not Applicable
mg/kg = milligram per kilogram

CADS Requirement :		
	Pass	Fail
Limit each REACH PAH	<0.5 mg/kg	≥0.5 mg/kg
Limit Sum of all REACH and EPA PAH	<10 mg/kg	≥10 mg/kg
Naphthalene	<10 mg/kg	≥10 mg/kg
Limit of each material		

List of Polycyclic Aromatic Hydrocarbons (PAH)

Polycyclic Aromatic Hydrocarbons	CAS	REACH	EPA
Benzo[a]pyrene ¹	50-32-8	X	X
Benzo[e]pyrene	192-97-2	X	
Benzo[a]anthracene ¹	56-55-3	X	X
Dibenzo[a,h]anthracene	53-70-3	X	X
Benzo[b]fluoranthene	205-99-2	X	X
Benzo[j]fluoranthene	205-82-3	X	
Benzo[k]fluoranthene	207-08-9	X	X
Chrysene ¹	218-01-9	X	X
Acenaphthene	83-32-9		X
Acenaphthylene	208-96-8		X
Anthracene ¹	120-12-7		X
Benzo[ghi]perylene ¹	191-24-2		X
Fluoranthene	206-44-0		X
Fluorene	86-73-7		X
Indeno[1,2,3-cd]pyrene	193-39-5		X
Naphthalene	91-20-3		X
Phenanthrene	85-01-8		X
Pyrene	129-00-0		X

Remark:

* Single components with an amount of <0.1 mg/kg were not considered by the calculation of the sum. In the case of all PAHs were not detected, the result is stated n.d.

3.Flame - Retarding Finishing - SCCP

Test Method: Leather : Reference to draft EN ISO 18219
All other materials :CADS method

Test result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result	Conclusion
T001	M001	SCCP	mg/kg	100	n.d.	Pass
T002	M002 + M003	SCCP	mg/kg	100	n.d.	Pass

Abbreviation: n.d. = not detected (<Reporting Limit)
RL = Reporting Limit
mg/kg = milligram per kilogram
SCCP = Short chain chlorinated paraffins (C₁₀-C₁₃)
MCCP = Medium chain chlorinated paraffins (C₁₄-C₁₇)

CADS Requirement :		
Acronym	Pass	Fail
SCCP	< 500 mg/kg	≥ 500 mg/kg
MCCP	< 1000 mg/kg	≥ 1000 mg/kg

*Single material test

Remark:

Forbidden Flame Retardant Substance			
Acronym	Name	CAS - No.	REACH
SCCP	Short chain chlorinated paraffins (C ₁₀ -C ₁₃)	85535-84-8	SVHC1
MCCP	Medium chain chlorinated paraffins (C ₁₄ -C ₁₇)	85535-85-9	SVHC1

4.CPSIA Sect 101: Total lead content in substrate materials

CPSIA Sect. 101	Total lead content in substrate materials
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Test Method: CPSC-CH-E1001-08.3 and CPSC-CH-E1002-08.3 (Microwave method)

Test No.	Material No.	Test Parameter	Unit	RL	Test Result	Conclusion
T001	M001	Lead content	ppm	10	n.d.	Pass
T002	M002 + M003	Lead content	ppm	10	n.d.	Pass

Abbreviation: n.d. = Not Detected (< RL)
RL = Reporting Limit
ppm = parts per million

DEICHMANN Requirement:		
CAS No.	Pass	Fail
7439-92-1	< 90mg/kg	≥ 90mg/kg

5.Total Cadmium and Total Arsenic Content

Test Method: Microwave digestion follow by ICP-MS

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result	Conclusion
T001	M001	Cadmium (Total)	mg/kg	10	n.d.	Pass
		Arsenic (Total)	mg/kg	10	n.d.	Pass
T002	M002 + M003	Cadmium (Total)	mg/kg	10	n.d.	Pass
		Arsenic (Total)	mg/kg	10	n.d.	Pass

Abbreviation: n.d. = not detected (< Reporting Limit)
RL = Reporting Limit
mg/kg = milligram per kilogram

DEICHMANN Requirement :			
	Pass	Need	Fail
Arsenic	< 30 mg/kg	< 50 mg/kg	≥ 50 mg/kg

CADS Requirement :		
	Pass	Fail
Cadmium/ Cadmium -compounds	< 100 mg/kg*	≥ 100 mg/kg*
Cadmium/ Cadmium -compounds	< 40mg/kg **	≥ 40mg/kg **
*Limit for each material ** for US market only		

6.Chlorinated Phenols

Test Method: With reference to CADS Test Method
Reference to DIN EN ISO 17070 (Textile) Solvent extraction with KOH, GC-MS
Reference to DIN EN ISO 17070 (Leather) Solvent extraction, GC-MS

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result	Conclusion
T001	M001	Chlorinated Phenols				PASS
		Pentachlorophenol (PCP)	mg/kg	0.1	n.d.	
		Chlorinated Phenols				
		Pentachlorophenol (PCP)	mg/kg	0.05	n.d.	
		Other Phenols				
		Monochlorophenols (MonoCP)				
		2-Chlorophenol	mg/kg	0.05	n.d.	
		3-Chlorophenol	mg/kg	0.05	n.d.	
		4-Chlorophenol	mg/kg	0.05	n.d.	
		Dichlorophenols (DiCP)				
		2,3-Dichlorophenol	mg/kg	0.05	n.d.	
		2,4-Dichlorophenol	mg/kg	0.05	n.d.	
		2,5-Dichlorophenol	mg/kg	0.05	n.d.	
		2,6-Dichlorophenol	mg/kg	0.05	n.d.	
		3,4-Dichlorophenol	mg/kg	0.05	n.d.	
		3,5-Dichlorophenol	mg/kg	0.05	n.d.	
		Trichlorophenols (TriCP)				
		2,3,4- Trichlorophenol	mg/kg	0.05	n.d.	
		2,3,5- Trichlorophenol	mg/kg	0.05	n.d.	
		2,3,6- Trichlorophenol	mg/kg	0.05	n.d.	
		2,4,5 -Trichlorophenol	mg/kg	0.05	n.d.	
		2,4,6 -Trichlorophenol	mg/kg	0.05	n.d.	
		3,4,5 -Trichlorophenol	mg/kg	0.05	n.d.	
		Tetrachlorophenols (TeCP)				
		2,3,5,6-Tetrachlorophenol	mg/kg	0.05	n.d.	
		2,3,4,6-Tetrachlorophenol	mg/kg	0.05	n.d.	
		2,3,4,5-Tetrachlorophenol	mg/kg	0.05	n.d.	

Abbreviation: n.d. = not detected (<Reporting Limit)
RL = Reporting Limit
mg/kg = milligram per kilogram

CADS Requirement :		
	Pass	Fail
PCP, TeCP (for each Isomer and only for textiles)	< 0.05 mg/kg	≥ 0.05 mg/kg
PCP, TeCP (for each Isomer)	< 1.0 mg/kg	≥ 1.0 mg/kg
MonoCP,DiCP,TriCP (for each Isomer)	< 2.0 mg/kg	≥ 2.0 mg/kg
Limit for each material		