

Test Report

No.: EDG2108230147C00136R

Date: Sep. 09, 2021

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Applicant : FUJIAN ZHANGPING D-ROAD FORESTRY CO.,LTD.
Address : FUSHAN INDUSTRY DISTRICT, ZHANG PING CITY, FUJIAN, CHINA,
364400

Sample Name : Kids picnic table set
Style/Item No. : MEDERLO-PICNIC TABLE-01
Material : Yellow Cedar
Supplier : FUJIAN ZHANGPING D-ROAD FORESTRY CO.,LTD.
Trademark/Brand : MEDERLO

Received Date : Aug. 23, 2021
Test Period : Aug. 23, 2021 ~ Sep. 09, 2021

Test Requested : 1. As requested by the client, according to the Entries 51 & 52 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment NO.552/2009 & (EU) 2018/2005, to determine the contents of the regulated phthalate in the submitted sample.
2. As requested by the client, according to the Entry 50 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment (EU) No 1272/2013, to determine the contents of the regulated PAHs in the submitted sample.

Test Results : Please refer to next page (s).

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Executive Summary:

STANDARD	CONCLUSION
1. Entries 51 & 52 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment NO.552/2009 & (EU) 2018/2005 – Phthalates Requirement for toys and childcare articles	PASS
2. Entry 50 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment (EU) No 1272/2013 (Formerly Known As Directive 2005/69/EC) – PAHs Requirement	PASS



Signed for and on behalf of
EMTEK(Dongguan) Co., Ltd.

Prepared by:


Li Huilan, Kay

Report Engineer

Reviewed by:



Zhang Hongjing, Carrie

Supervisor

Approved by:


Li Wei, Lisa

Authorized signatory
Sep. 09, 2021

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Test Results:

1. Phthalates content: **Entries 51 & 52 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment NO.552/2009 & (EU) 2018/2005**

Test Method: With reference to the standard EN 14372: 2004 (clause 6.3.2), the analysis was performed by Gas Chromatography Mass Spectrometry (GC / MS).

➤ Entry 51: Phthalate contents in plasticized materials in TOYS and CHILDCARE ARTICLES

Test Item	Test Result (mg/kg)				MDL (mg/kg)	Requirement (mg/kg)
	1	2	3/4/5	6/7/8		
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	ND	30	SUM : 1000
Dibutyl phthalate(DBP)	ND	ND	ND	ND	30	
Benzylbutyl phthalate(BBP)	ND	ND	ND	ND	30	
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	30	

Test Item	Test Result (mg/kg)				MDL (mg/kg)	Requirement (mg/kg)
	9/10/11	12/13	14/15	16		
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	ND	30	SUM : 1000
Dibutyl phthalate(DBP)	ND	ND	ND	ND	30	
Benzylbutyl phthalate(BBP)	ND	ND	ND	ND	30	
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	30	

Test Item	Test Result (mg/kg)				MDL (mg/kg)	Requirement (mg/kg)
	17	18	19/20/21	22/23/24		
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	ND	30	SUM : 1000
Dibutyl phthalate(DBP)	ND	ND	ND	ND	30	
Benzylbutyl phthalate(BBP)	ND	ND	ND	ND	30	
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	30	

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Test Results:

Test Item	Test Result (mg/kg)		MDL (mg/kg)	Requirement (mg/kg)
	25/26/27	28		
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	30	SUM : 1000
Dibutyl phthalate(DBP)	ND	ND	30	
Benzylbutyl phthalate(BBP)	ND	ND	30	
Diisobutyl phthalate (DIBP)	ND	ND	30	

➤ Entry 52: Phthalate contents in plasticized materials in TOYS and CHILDCARE ARTICLES which can be placed in the mouth by children

Test Item	Test Result (mg/kg)				MDL (mg/kg)	Requirement (mg/kg)
	1	2	3/4/5	6/7/8		
Diisononyl phthalate(DINP)	ND	ND	ND	ND	50	SUM : 1000
Diisodecyl phthalate(DIDP)	ND	ND	ND	ND	50	
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	30	

Test Item	Test Result (mg/kg)				MDL (mg/kg)	Requirement (mg/kg)
	9/10/11	12/13	14/15	16		
Diisononyl phthalate(DINP)	ND	ND	ND	ND	50	SUM : 1000
Diisodecyl phthalate(DIDP)	ND	ND	ND	ND	50	
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	30	

Test Item	Test Result (mg/kg)		MDL (mg/kg)	Requirement (mg/kg)
	17	18		
Diisononyl phthalate(DINP)	ND	ND	50	SUM : 1000
Diisodecyl phthalate(DIDP)	ND	ND	50	
Di-n-octyl phthalate (DNOP)	ND	ND	30	

Note: mg/kg = parts per million = ppm ND = Not Detected (less than MDL) MDL = Method Detection Limit

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Test Results:

2. PAHs Requirement: Entry 50 in Annex XVII of the REACH Regulation (EC) NO.1907/2006

Test Method: To refer to AfPS GS 2019:01 PAK, the analysis was performed by GC / MS.

Test Item	CAS Number	Test Result (mg/kg)				MDL (mg/kg)
		1	2	3/4/5	6/7/8	
Benzo[a]pyrene(BaP)	50-32-8	ND	ND	ND	ND	0.2
Benzo[e]pyrene(BeP)	192-97-2	ND	ND	ND	ND	0.2
Benzo[a]anthracene(BaA)	56-55-3	ND	ND	ND	ND	0.2
Chrysen(CHR)	218-01-9	ND	ND	ND	ND	0.2
Benzo[b]fluoranthene(BbFA)	205-99-2	ND	ND	ND	ND	0.2
Benzo[j]fluoranthene(BjFA)	205-82-3	ND	ND	ND	ND	0.2
Benzo[k]fluoranthene(BkFA)	207-08-9	ND	ND	ND	ND	0.2
Dibenzo[a,h]anthracene(DBAhA)	53-70-3	ND	ND	ND	ND	0.2

Test Item	CAS Number	Test Result (mg/kg)				MDL (mg/kg)
		9/10/11	12/13	14/15	16	
Benzo[a]pyrene(BaP)	50-32-8	ND	ND	ND	ND	0.2
Benzo[e]pyrene(BeP)	192-97-2	ND	ND	ND	ND	0.2
Benzo[a]anthracene(BaA)	56-55-3	ND	ND	ND	ND	0.2
Chrysen(CHR)	218-01-9	ND	ND	ND	ND	0.2
Benzo[b]fluoranthene(BbFA)	205-99-2	ND	ND	ND	ND	0.2
Benzo[j]fluoranthene(BjFA)	205-82-3	ND	ND	ND	ND	0.2
Benzo[k]fluoranthene(BkFA)	207-08-9	ND	ND	ND	ND	0.2
Dibenzo[a,h]anthracene(DBAhA)	53-70-3	ND	ND	ND	ND	0.2

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Test Results:

Test Item	CAS Number	Test Result (mg/kg)		MDL (mg/kg)
		17	18	
Benzo[a]pyrene(BaP)	50-32-8	ND	ND	0.2
Benzo[e]pyrene(BeP)	192-97-2	ND	ND	0.2
Benzo[a]anthracene(BaA)	56-55-3	ND	ND	0.2
Chrysen(CHR)	218-01-9	ND	ND	0.2
Benzo[b]fluoranthene(BbFA)	205-99-2	ND	ND	0.2
Benzo[j]fluoranthene(BjFA)	205-82-3	ND	ND	0.2
Benzo[k]fluoranthene(BkFA)	207-08-9	ND	ND	0.2
Dibenzo[a,h]anthracene(DBAhA)	53-70-3	ND	ND	0.2

Note: mg/kg = part per million = ppm ND = Not Detected (less than MDL) MDL = Method Detection Limit

Remark: The requirements are quoted from the entries 50 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment (EU) No 1272/2013 about PAHs contents as below:

Materials	Timeline	Requirement (mg/kg)
Extender oils, tyres and treads contain extender oils	Commencing on January 1, 2010	1 mg/kg of BaP, 10 mg/kg of the sum of the listed PAHs
Rubber or plastic components from articles for supply to the general public, come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity	Commencing on December 27, 2015	1 mg/kg of any of the listed PAHs
Rubber or plastic components from toys, including activity toys and childcare articles, come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity	Commencing on December 27, 2015	0.5 mg/kg of any of the listed PAHs

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Tested Materials:

No.	Description
1	Dark brown coating on wood (main body of kids picnic table set)
2	White coating on metal (support of umbrella / umbrella handle of kids picnic table set)
3	White hard plastic (main body of umbrella / umbrella handle of kids picnic table set)
4	Red hard plastic (button of umbrella of kids picnic table set)
5	Blue hard plastic (pot of kids picnic table set)
6	Grey hard plastic (knife / pot cover / tap / water channel of kids picnic table set)
7	Orange hard plastic (pot of kids picnic table set)
8	Purple hard plastic (pot of kids picnic table set)
9	Blue hard plastic (spoon / plate of kids picnic table set)
10	Yellow hard plastic (slice / plate of kids picnic table set)
11	Red hard plastic (brush / plate of kids picnic table set)
12	Green hard plastic (plate of kids picnic table set)
13	White hard plastic (bottle of kids picnic table set)
14	Pink hard plastic (water channel of kids picnic table set)
15	Light pink hard plastic (water channel of kids picnic table set)
16	White soft plastic (brushing of kids picnic table set)
17	Multicolor plastic sticker (bottle of kids picnic table set)
18	White plastic film (main body of umbrella of kids picnic table set)
19	Black hard plastic (button of tap of kids picnic table set, inner)
20	White hard plastic (button of tap of kids picnic table set, inner)
21	Blue hard plastic (button of tap of kids picnic table set, inner)
22	Beige hard plastic (motor of tap of kids picnic table set, inner)
23	Transparent hard plastic (motor of tap of kids picnic table set, inner)
24	White hard plastic (gasket of motor of tap of kids picnic table set, inner)
25	Red hard plastic (gasket of motor of tap of kids picnic table set, inner)
26	Beige hard plastic (gasket of motor of tap of kids picnic table set, inner)

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No.	Description
27	White hard plastic (big gasket of motor of tap of kids picnic table set, inner)
28	Transparent glue (tap of kids picnic table set, inner)

Remark: 1. As specified by the client, the samples were subjected to mixed testing.

2. As specified by the client, No. 6~17, 19~28 the results were quoted from report EDG2108230147C00103R, No. 1~5, 18 the results were quoted from report EDG2108230147C00127R.

3. As specified by the client, the related tests were performed only for the selected materials of submitted sample.



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Sample Photo



*** End of Report ***

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The information as listed on the first page of this test report was all provided by the client except the sample from, date received, test period, test results and test conclusion. The client shall be responsible for the representativeness of sample and authenticity of materials, for which EMTEK shall bear no responsibilities.
- 2.本检测报告以实测值进行符合性判定,未考虑不确定度所带来的风险,特别约定、标准或规范中有明确规定的除外。此种判定方式所带来的风险由客户自行承担,本实验室不承担相关责任。
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Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
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