



中国认可
国际互认
检测
TESTING
CNAS L3150

EMTEK
Access to the World

TEST REPORT

No.:ED180118033C

Date: January 23, 2018

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Applicant : QUAN XING TOYS FACTORY

Address : LONGHU DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE,
CHINA

Sample Name : Chess series

Style/Item No. : QX3702、QX3704、QX3706、QX3708、QX3710、QX3902、QX3904、
QX3906、QX3908、QX3910、QX9800、QX9816、QX9814、QX9818、
QX9702、QX9704、QX9706、QX9708、QX9710、QX9712、QX9714、
QX9716、QX9718、QX9602、QX9604、QX9606、QX9608、QX9610、
QX9612、QX9614、QX9616、QX9618、QX9502、QX9504、QX9506、
QX9508、QX9510、QX9512、QX9514、QX9516、QX9518、QX9505A、
QX9506A、QX9508A、QX9510A、QX9513A、QX9518A、QX9605A、
QX9606A、QX9608A、QX9610A、QX9613A、QX9618A、QX9705A、
QX9706A、QX9708A、QX9710A、QX9713A、QX9718A、QX9402、
QX9404、QX9406、QX9408、QX9410、QX9412、QX9414、QX9416、
QX9418、QX9202、QX9204、QX9206、QX9208、QX9210、QX9212、
QX9214、QX9216、QX9218、QX9002、QX9004、QX9006、QX9008、
QX9010、QX9012、QX9014、QX9016、QX9018、QX8702、QX8706、
QX8708、QX8710、QX8714、QX8716、QX8718、QX8602、QX8604、
QX8606、QX8608、QX8610、QX8612、QX8614、QX8616、QX8618、
QX8605A、QX8606A、QX8608A、QX8610A、QX8613A、QX8618A、
QX8502、QX8504、QX8506、QX8508、QX8510、QX8512、QX8514、
QX8516、QX8518、QX8505A、QX8506A、QX8508A、QX8510A、
QX8513A、QX8518A、QX8414、QX8416、QX8402、QX8412、QX8410、
QX8404、QX8408、QX8406、QX8418、QX8405A、QX8406A、
QX8408A、QX8410A、QX8413A、QX8418A、QX8302、QX8304、
QX8306、QX8308、QX8310、QX8312、QX8314、QX8316、QX8318、
QX8201、QX8200、QX8201A、QX8244、QX8266、QX8288、QX8299、
QX8278、QX8205A、QX8206A、QX8208A、QX8210A、QX8213A、
QX8218A、QX3502、QX3506、QX3508、QX3510、QX3514、QX3580、
QX8205B、QX8206B、QX8208B、QX8210B、QX8213B、QX8218B、
QX8005B、QX8006B、QX8008B、QX8010B、QX8013B、QX8018B、
QX7805B、QX7806B、QX7808B、QX7810B、QX7813B、QX7818B、
QX7018、QX7006、QX70810、QX7024、QX7016、QX7063、QX7711、
QX7722、QX7733、QX7744、QX7700、QX7702、QX7704、QX7706、
QX7708、QX7710、QX7712、QX7714、QX7716、QX7718、QX7720、
QX7799、QX7724、QX7726、QX7728、QX7730、QX7734、QX7736、
QX7742、QX77810、QX8001A、QX8000、QX8044、QX8066、QX8088、

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QX8099、QX8078、QX8005A、QX8006A、QX8008A、QX8010A、
QX8013A、QX8018A、QX7844、QX7866、QX7888、QX7899、
QX7800、QX7801、QX7802、QX7805、QX7806、QX7808、QX7810、
QX7813、QX7818、QX7863、QX7878、QX7877、QX7801A、QX7881、
QX2702、QX2706、QX2708、QX2710、QX2714、QX2718、QX7533、
QX7544、QX7511、QX7500、QX5980、QX5920、QX5924、QX5930、
QX5977、QX5910-A、QX59810、QX5936、QX58810、QX5824、
QX5830、QX5836、QX58500、QX5880、QX5877、QX5810-A、
QX5820、QX5700、QX57810、QX5736、QX5720、QX5777、QX5730、
QX5724、QX5320、QX5324、QX5330、QX5336、QX5348、QX5366、
QX5377、QX5380、QX53810、QX5310-A、QX5305A、QX5306A、
QX5308A、QX5310A、QX5313A、QX5318A、QX6602、QX6604、
QX6606、QX6608、QX6610、QX6612、QX6620、QX6644、QX6622、
QX6633、QX6616、QX6618、QX6605A、QX6606A、QX6608A、
QX6610A、QX6613A、QX6618A、QX6655、QX6677、QX6614、
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QX5630、QX5636、QX5648、QX56500、QX56810、QX5666、QX5677、
QX5610-A、QX5699、QX5600、QX8100、QX5510、QX5512、QX5514、
QX5520、QX5522、QX5526、QX5528、QX5534、QX5536、QX5542、
QX5524、QX5530、QX5532、QX5538、QX5540、QX5577、QX5566、
QX55810、QX5230、QX5236、QX5228、QX5266、QX5220、QX5233、
QX5277、QX5212、QX5280、QX5210-A、QX5224、QX52500、
QX5480、QX5433、QX5436、QX5430、QX5428、QX5420、QX5424、
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QX5466、QX5405A、QX5406A、QX5408A、QX5410A、QX5413A、
QX5418A、QX3620、QX3622、QX3624、QX3626、QX3628、QX3630、
QX3636、QX3648、QX3654、QX3656-A、QX3656-B、QX3658、
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QX1528、QX1530、QX1536、QX1548、QX1554、QX1556、QX1558、
QX1560、QX1562、QX1564、QX1566、QX6100、QX6102、QX6104、
QX6106、QX6108、QX6110、QX6200、QX6202、QX6204、QX6206、
QX6208、QX6210、QX6300、QX6302、QX6304、QX6306、QX6308、
QX6310、QX6400、QX6402、QX6404、QX6406、QX6408、QX6410、
QX6500、QX6502、QX6504、QX6506、QX6508、QX6510、QX6902、
QX6904、QX6906、QX6908、QX6910、QX6912、QX6914、QX6802、
QX6804、QX6806、QX6808、QX6810、QX6812、QX6814、QX6702、
QX6704、QX6706、QX6708、QX6710、QX6712、QX6714、QX2824、

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QX2830、QX2836、QX2810-A、QX2877、QX2880、QX2810、
QX2624、QX2630、QX2636、QX2666、QX2699、QX2610-A、QX2677、
QX2680、QX2610、QX2424、QX2430、QX2436、QX2466、QX2410-A、
QX2477、QX2480、QX2410、

Age Grading : 3+
Sample Received Date : January 18, 2018
Testing Completed Date : January 23, 2018

Test Requested : 1. As requested by client, according to the Entries 51 & 52 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment NO.552/2009, to determine the contents of the regulated phthalate in the submitted sample.
2. As requested by client, to determine the Diisobutyl phthalate(DIBP), Di-n-pentyl phthalate(DPENP), Di-n-hexyl phthalate(DHEXP), Dicyclohexyl phthalate(DCHP), Diethyl phthalate(DEP), Di-n-hexyl phthalate(DNHP) and 1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl ester(DHNUP) contents in the submitted sample.

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

Executive Summary:

STANDARD	CONCLUSION
1. Phthalates Requirement for toys and childcare articles – The entries 51 & 52 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment NO.552/2009 (Formerly Known As Directive 2005/84/EC)	PASS
2. Diisobutyl phthalate(DIBP), Di-n-pentyl phthalate(DPENP), Di-n-hexyl phthalate (DHEXP), Dicyclohexyl phthalate(DCHP), Diethyl phthalate(DEP), Di-n-hexyl phthalate(DNHP) and 1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl ester(DHNUP) contents	DATA

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

Prepared by: Kira
Kira Fu
Report Engineer

Reviewed by: Carrie
Carrie Zhang
Supervisor

Approved by: Lainey
Lainey Qin
Manager

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Test Results:

1. Test Method: With reference to the standard EN14372 (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	Di-2-ethylhexyl phthalate (DEHP)	Dibutyl phthalate(DBP)	Benzylbutyl phthalate (BBP)
Reporting Limit (mg/kg)	30	30	30
Requirement (mg/kg)	SUM : 1000		
Test Item No.	Test Result (mg/kg)		
1/2/3	ND	ND	ND

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

Test Item	Diisononyl phthalate (DINP)	Diisodecyl phthalate (DIDP)	Di-n-octyl phthalate (DNOP)
Reporting Limit (mg/kg)	50	50	30
Requirement (mg/kg)	SUM : 1000		
Test Item No.	Test Result (mg/kg)		
1/2/3	ND	ND	ND

Note: mg/kg = parts per million = ppm

ND = Not Detected (less than Reporting limit)

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Test Results:

2. Test Method: With reference to the standard EN14372 (clause 6.3.2), the analysis was performed by Gas Chromatography Mass Spectrometry (GC / MS).

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)
	1/2/3	
Diisobutyl phthalate(DIBP)	ND	30
Di-n-pentyl phthalate(DPENP)	ND	30
Di-n-hexyl phthalate(DHEXP)	ND	30
Dicyclohexyl phthalate(DCHP)	ND	30
Diethyl phthalate(DEP)	ND	30
Di-n-hexyl phthalate(DNHP)	ND	30
1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl ester(DHNUP)	ND	50

Note: mg/kg = parts per million = ppm

ND = Not Detected (less than Reporting limit)

Tested Materials:

No.	Description
1	Black hard plastic
2	White hard plastic
3	Red hard plastic

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

2. The tested parts were designated by client.

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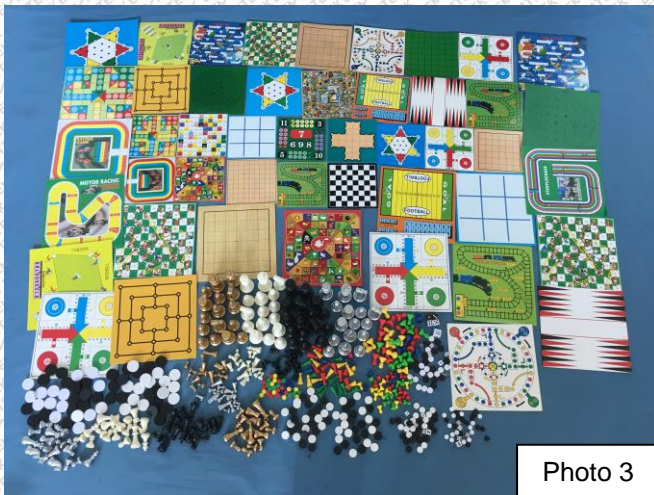
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