



Test Report

Report No:TQT0023B511E

Date:June 29, 2026

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Applicant Guangzhou Wanjin Sports Goods Co., Ltd
Address Room 104, Building 11, Caiyi Industrial Park (Jiangyou Animation Industrial Park), No. 306,
Shixin Road, Donghuan Street, Panyu District, Guangzhou

The following sample(s)was /were submitted and identified on behalf of the clients as :

Sample Description	/
Sample Name	Billiard table
Main model	4G BILLIARD TABLE
Additional model	5G,6G,Rainbow,7G,X3,X5,X6,Coin operated,W type
Trademark	/
Manufacturer	Guangzhou Wanjin Sports Goods Co., Ltd
Manufacturer's address	Room 104, Building 11, Caiyi Industrial Park (Jiangyou Animation Industrial Park), No. 306, Shixin Road, Donghuan Street, Panyu District, Guangzhou
Sample Received Date	June 22, 2026
Testing Period	June 22, 2026 to June 29, 2026
Test Requested	Test
Method	Test samples according to customer requirements
Test Result	Please refer to next page(s)

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Signed for and on behalf of:



Date of issue

: June 29, 2026

Shenzhen Tianqi Testing Technology Service Co., Ltd.

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Shenzhen Tianqi Testing Technology Service Co., Ltd.

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RESULT SUMMARY:

No.	Standard and Requirement	Conclusion(s)
1	RoHS Directive 2011/65/EU -XRF scanning	PASS
2	RoHS Directive 2011/65/EU and its subsequent amendments (EU)2015/863 -Pb/Cd/Hg/CrVI Content -Polybrominated diphenylethers(PBDEs) -Polybrominated biphenyls(PBBs) -Phthalates	PASS

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Test Content:

Test Item(s)	Test Method	Reference	Unit	Limit	MDL
Cadmium(Cd)	EN 62321-5-2014	ICP-OES	mg/kg	100	10
Lead(Pb)	EN 62321-5-2014	ICP-OES	mg/kg	1000	10
Mercury(Hg)	EN 62321-4-2014+AMD1:2017	ICP-OES	mg/kg	1000	10
Hexavalent Chromium(CrVI) (Metal)	EN 62321-7-1-2015	UV-Vis	µg/cm ²	0.13	0.1
Hexavalent Chromium(CrVI) (Nonmetal)	EN 62321-7-2-2017	UV-Vis	mg/kg	1000	10
PBBs (Next form)	EN 62321-6-2015	GC-MS	mg/kg	1000	10
PBDEs (Next form)	EN 62321-6-2015	GC-MS	mg/kg	1000	10
Dibutyl Phthalate(DBP)	EN 62321-8-2017	GC-MS	mg/kg	1000	100
Butyl benzyl phthalate (BBP)	EN 62321-8-2017	GC-MS	mg/kg	1000	100
Di-(2-ethylhexyl) Phthalate(DEHP)	EN 62321-8-2017	GC-MS	mg/kg	1000	100
Diisobutyl phthalate (DIBP)	EN 62321-8-2017	GC-MS	mg/kg	1000	100

PBBs		PBDEs	
Monobromobiphenyl	Hexabromobiphenyl	Monobromodiphenyl ether	Hexabromodiphenyl ether
Dibromobiphenyl	Heptabromobiphenyl	Dibromodiphenyl ether	Heptabromodiphenyl ether
Tribromobiphenyl	Octabromobiphenyl	Tribromodiphenyl ether	Octabromodiphenyl ether
Tetrabromobiphenyl	Nonabromobiphenyl	Tetrabromodiphenyl ether	Nonabromodiphenyl ether
Pentabromobiphenyl	Decabromobiphenyl	Pentabromodiphenyl ether	Decabromodiphenyl ether

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Sample Description:

Sample No	Sample description
N1	fabric
N2	solid wood
N3	gray painting
N4	panel
N5	plywood
N6	plywood
N7	slates
N8	solid wood main frame
M1	metal
M2	metal
M3	metal
M4	steel

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1.Test results:

XRF Scanning-RoHS Directive 2011/65/EU

Methods:IEC 62321-3-1:2013 analysis by X-ray fluorescence spectrometry(XRF).

No.	Element											Conclusion
	Pb	Cd	Hg	Cr	Cr ⁶⁺	PBBs	PBDEs	DBP	BBP	DEHP	DIBP	
N1	BL	BL	BL	--	BL	BL	BL	BL	BL	BL	BL	Pass
N2	BL	BL	BL	--	BL	BL	BL	BL	BL	BL	BL	Pass
N3	BL	BL	BL	--	BL	BL	BL	BL	BL	BL	BL	Pass
N4	BL	BL	BL	--	BL	BL	BL	BL	BL	BL	BL	Pass
N5	BL	BL	BL	--	BL	BL	BL	BL	BL	BL	BL	Pass
N6	BL	BL	BL	--	BL	BL	BL	BL	BL	BL	BL	Pass
N7	BL	BL	BL	--	BL	BL	BL	BL	BL	BL	BL	Pass
N8	BL	BL	BL	--	BL	BL	BL	BL	BL	BL	BL	Pass
M1	BL	BL	BL	BL	--	--	--	--	--	--	--	Pass
M2	BL	BL	BL	BL	--	--	--	--	--	--	--	Pass
M3	BL	BL	BL	BL	--	--	--	--	--	--	--	Pass
M4	BL	BL	BL	BL	--	--	--	--	--	--	--	Pass

Note:

a.It is the result on total Br while test item on restricted substances is PBBs/PBDEs.It is the result on total Cr while test item on restricted substances is Cr(VI).

b.The XRF screening test for RoHS elements-The reading may be different to the actual content in the sample be of non-uniformity composition.

c.Results are obtained by EDXRF for primary screening,and further chemical testing by ICP-OES(for Pb,Cd,Hg), UV-VIS for Cr(VI)and GC-MS(for PBBs/PBDEs)is recommended to be performed if the concentration exceeds the below warning value according to IEC 62321-3-1:2013.

XRF Screening limits for different matrices:

Materials	Concentration (mg/kg)				
	Cd	Cr	Pb	Hg	Br

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Polymeric	BL≤60<X<140≤OL	BL≤640<X	BL≤670<X<1330≤OL	BL≤660<X<1340≤OL	BL≤290<X
Metallic	BL≤60<X<140≤OL	BL≤640<X	BL≤670<X<1330≤OL	BL≤660<X<1340≤OL	--
Composite materials	BL≤40<X<160≤OL	BL≤440<X	BL≤470<X<1530≤OL	BL≤460<X<1540≤OL	BL≤240<X

(a)BL=Below Limit,OL=Over Limit,X=Inconclusive,LOD=Limit of Detection,--=Not regulated.

(b)The XRF screening test for RoHS elements-the reading may be different to actual content in the sample be of non-uniformity composition

(3)Chemical Method

①With reference to IEC 62321-5:2013,determination of Cadmium,Lead by ICP-OES.

②With reference to IEC62321-4:2013+AMD1:2017 CSV,determination of Mercury by ICP-OES.

③With reference to IEC 62321-7-1:2015&IEC 62321-7-2:2017,determination of Hexavalent Chromium by Colorimetric method using UV-Vis.

④With reference to IEC 62321-6:2015,determination of PBBs and PBDEs by GC-MS.

⑤With reference to IEC 62321-8:2017,determination of Phthalates by GC-MS.

(4)(a)mg/kg=0.0001%,MDL=MDL=Method Detection Limit,(c)ND=Not Detected(<MDL), --=Not Regulated

(b)Unit and MD Lin wet chemical test

Test Item	Pb	Cd	Hg	DBP	BBP	DEHP	DIBP
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MDL	10	10	10	100	100	100	100

The MDL for single compound of PBBs and PBDEs is 100 mg/kg

MDL of Cr(VI)for polymer and composite sample is 10 mg/kg

MDL of Cr(VI)for metal sample is 0.10ug/cm²

(c)V=Metal sample

a.The sample is negative for Cr⁶⁺if Cr⁶⁺is N.D.(below the limit 0.10ug/cm²).The coating is considered a non Cr⁶⁺ based coating.

b.The sample positive for Cr⁶⁺if the Cr⁶⁺concentration is greater than 0.13ug/cm².The sample coating is considered to contain Cr⁶⁺.

c.The result between 0.10ug/cm²and 0.13ug/cm²is considered to be inconclusive unavoidable coating variations may influence the determination.

Note:This report only applies to samples of model 3mm round red with diffused red lens.

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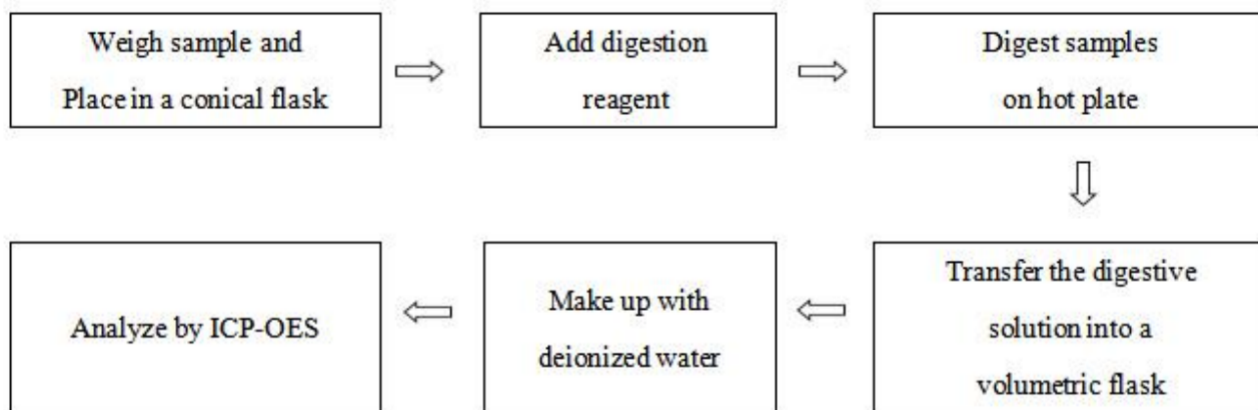
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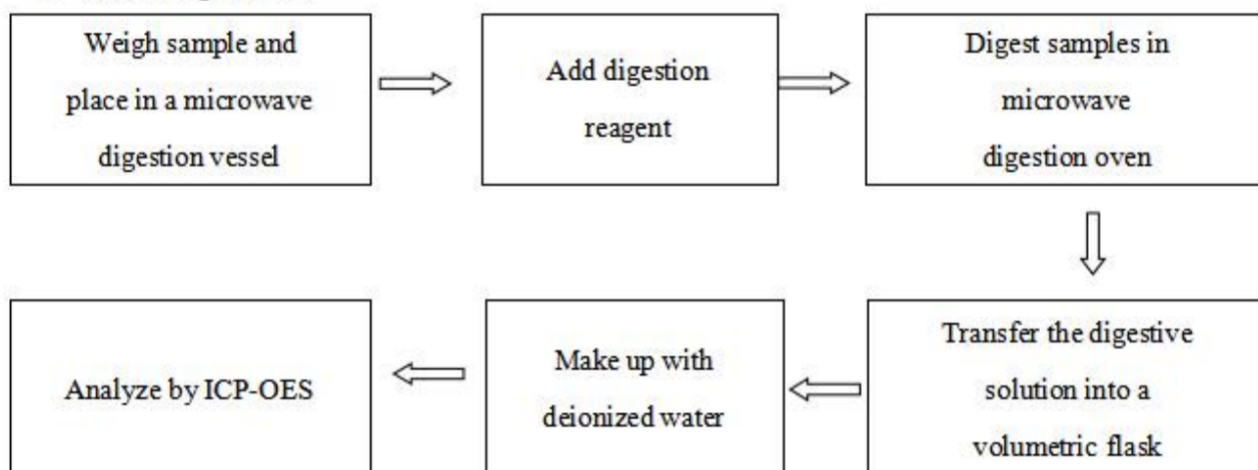
Website: www.tqts.com

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Test Process:

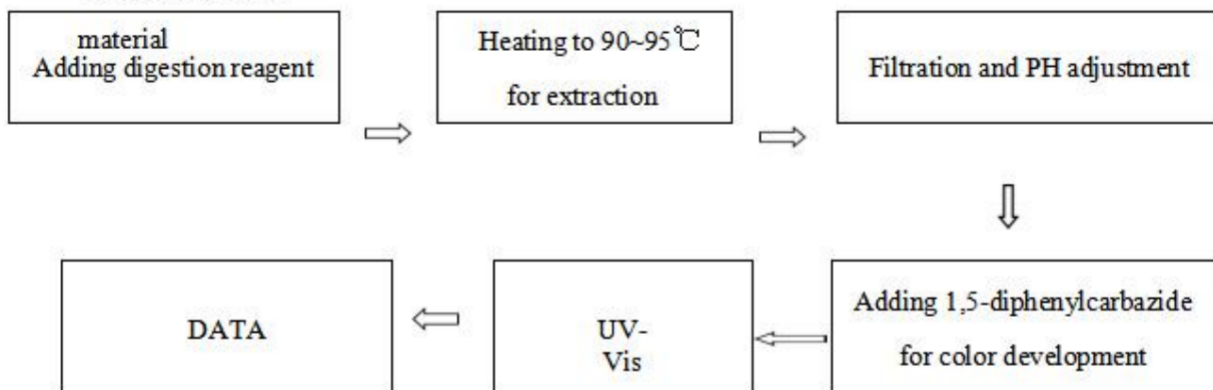


2. Test for Hg Content

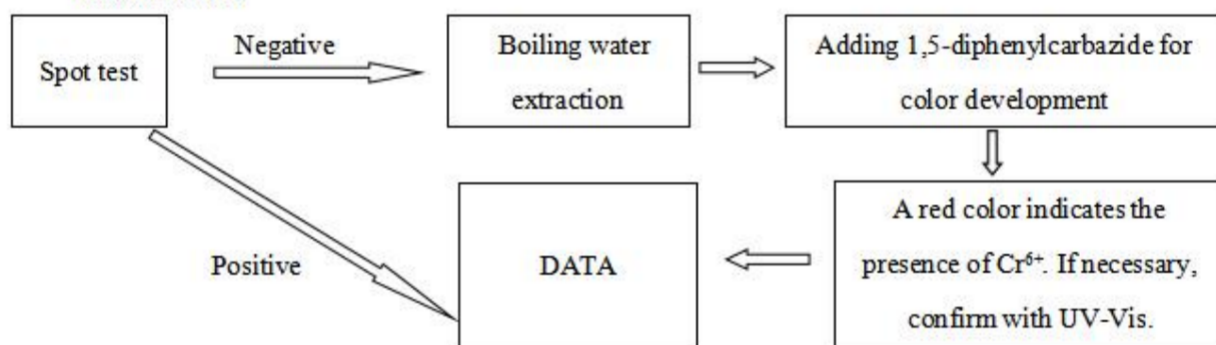


Test for Chromium (VI)

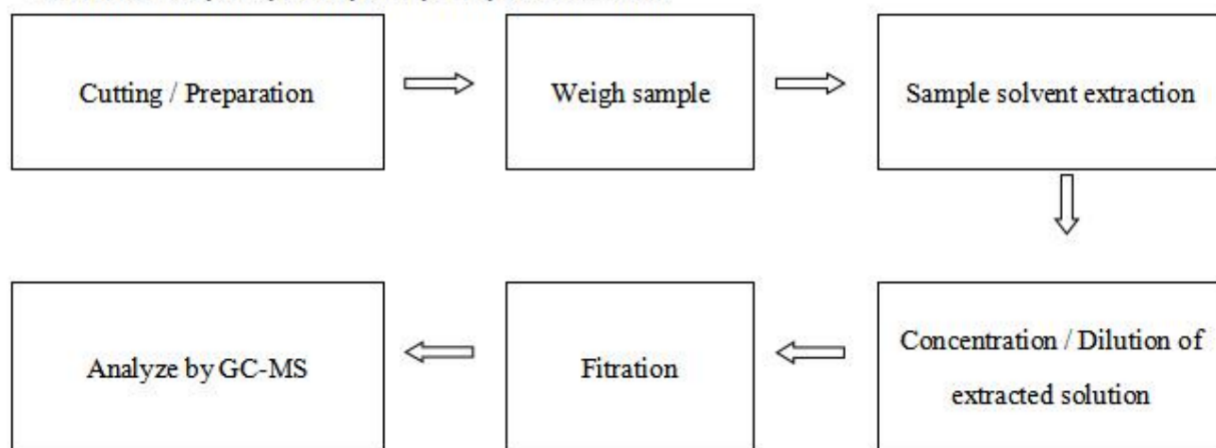
Content Nonmetal



Metal material



4. Test for DBP, BBP, DEHP, DIBP, PBB, PBDE Content



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Sampling Point Diagrama



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sample image



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