

TEST REPORT

Report No. : MAN:HL:7480006721

DATE : 12th July, 2016



RATTAN BROTHERS

PLOT NO- 412-413, LEATHER COMPLEX KAPURTHALA ROAD
JALANDHAR-144021
INDIA

CONTACT PERSON : MR. ANURAG KHINDER

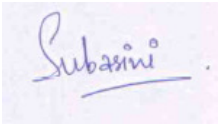
THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION MAXPO SOCCER BALL MADE OF TPU
SAMPLE RECD ON 02/07/2016
TEST PERFORMING DATE 02/07/2016 TO 12/07/2016

TEST REQUESTED

TEST NAME	CONCLUSION
1.European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments as specified by client Cadmium content(on client's selected component)	Pass
2. Organo Tin Compounds (OTC)	Pass
3.Phthalate Content	Pass

Per Pro SGS India Pvt Ltd.



Subasini Saraswat

Asst. Manager

Email your Test Report Related Enquiries at Feedback.HLT@sgs.com

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Test Results:

1. Cadmium content:

Method : SGS- Microwave Digestion –Analysis was performed by ICP-OES.

Test Item	Result (ppm)	Permissible Limit (%)
		0.01%(100 ppm)
Cadmium (Cd)	ND	
Comment	PASS	--

Sample description : MAXPO SOCCER BALL MADE OF TPU

Note:

1. % = percentage by weight
2. ND = Not Detected , Detection limit = 10ppm
3. Permissible Limit specified by Commission Regulation (EU) No 494/2011 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under entry 23 of Regulation (EC) No 552/2009 and directive 91/338/EC)
4. Testing has been performed on client's selected components.

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2. ORGANO TIN COMPOUNDS

DIN EN ISO 17353:2004// Analysis by GC- MS

Organotin	Result (% by weight of tin)	Recommended Max. Limit (% by weight of tin)
	1	---
Tributyltin (TBT)	n.d.	---
Triphenyltin (TPhT)	n.d.	---
Tricyclohexyltin (TCyT)	n.d.	---
Tripopyltin (TPT)	n.d.	---
Total	n.d.	0.1
Conclusion	Pass	---

Organotin	Result (% by weight of tin)	Recommended Max. Limit (% by weight of tin)
	1	
Dibutyltin (DBT)	n.d.	0.1
Diocetyltn (DOT)	n.d.	0.1
Conclusion	Pass	---

Sample Description: MAXPO SOCCER BALL MADE OF TPU (Print with base)

Note:

1. ppm = parts per million
2. ND = Not Detected , DL= Detection Limit=0.00005 %
3. Above test has been subcontracted to SGS approved lab.
4. Testing has been performed as per client's request.

Remark: Recommended Max Limit with reference to Entries 20 of Regulation (EC) No 276-2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under EU Decision: 2009/425/EC)

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3. PHTHALATES

European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments

Test Method: With reference to EN 14372 : 2004 - Analysis was conducted by GC-MS.

Test item	Results (%)	Permissible Limit
Dibutyl Phthalate (DBP)	ND	<0.1%
Benzylbutyl Phthalate (BBP)	ND	<0.1%
Bis-(2-ethylhexyl) Phthalate (DEHP)	ND	<0.1%
Diisononyl Phthalate (DINP)	ND	<0.1%
Di-n-octyl Phthalate (DNOP)	ND	<0.1%
Diisodecyl Phthalate (DIDP)	ND	<0.1%
Conclusion	PASS	--

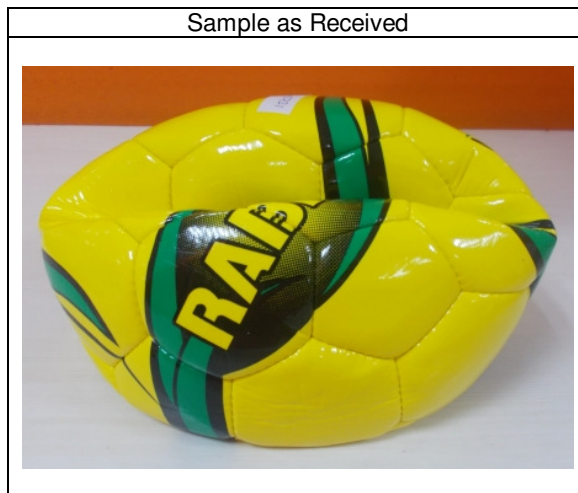
Sample Description : MAXPO SOCCER BALL MADE OF TPU

Note:

- 1) ND = not detected
- 2) < = Less than
- 3) % = percentage by weight
- 4) Detection Limit:
DBP, BBP, DEHP And DNOP = 0.005% (For Individual Compound)
DINP And DIDP = 0.01 % (For Individual Compound)
- 5) Testing has been performed on granules as per client's request.

Remark:

Permissible limit specified by entries 51 and 52 of regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).



***** End of Report*****