

## TEST REPORT

Report No. : MAN:HL:7480007660

DATE : 08<sup>th</sup> August, 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** X-LITE SOCCER BALL MADE OF PVC  
**SAMPLE RECD ON** 08/08/2016  
**TEST PERFORMING DATE** 08/08/2016 TO 08/08/2016

**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

Per Pro SGS India Pvt Ltd.

**Subasini Saraswat**

**Asst. Manager**

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

**Remark:** Above all test have been copied from report no. 7480006718 as per client request.

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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	
<b>Comment</b>	PASS	--

**Sample description :** X-LITE SOCCER BALL MADE OF PVC

**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**

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

<b>Organotin</b>	<b>Result (% by weight of tin)</b>	<b>Recommended Max. Limit (% by weight of tin)</b>
	<b>1</b>	
Dibutyltin (DBT)	n.d.	0.1
Diocetyl tin (DOT)	n.d.	0.1
<b>Conclusion</b>	Pass	---

**Sample Description:** X-LITE SOCCER BALL MADE OF PVC (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 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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Sample as Received



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

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