

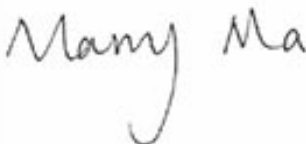
**WUXI SUNGRASS SPORTS CO.,LTD**

No. 9 Xichang Road, Xizhang, Wuxi, China.

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

SGS Job No. : SHIN1407029544PC - SH  
Material and Mark : PE+PP  
Product Specification : QDS-UB  
Date of Sample Received : 18 Jul 2014  
Testing Period : 18 Jul 2014 - 24 Jul 2014  
Test Requested : Selected test(s) as requested by client.  
Test Method : Please refer to next page(s).  
Test Results : Please refer to next page(s).

Signed for and on behalf of  
SGS-CSTC Ltd.



Mary Ma  
Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA14-136155.001	Landscaping artificial grass

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

**EN71-3:2013 under European Directive 2009/48/EC-Migration of certain elements (for scrapped-off toy material)**

Test Method : With reference to EN 71 Part 3:2013, analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001
Soluble Chromium (VI)	0.2	mg/kg	0.18	ND
Soluble Lead (Pb)	160	mg/kg	10	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND
Soluble Arsenic (As)	47	mg/kg	10	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND
Soluble Cadmium (Cd)	17	mg/kg	10	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND
Soluble Selenium (Se)	460	mg/kg	10	ND
Soluble Boron (B)	15000	mg/kg	50	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND
Soluble Aluminum (Al)	70000	mg/kg	50	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND
Soluble Tin (Sn)	180000	mg/kg	4.9	ND
Soluble Organic Tin*	12	mg/kg	-	ND

Notes :



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(1) Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013.

(2) \*Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013

Sample photo:



SGS authenticate the photo on original report only

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