

## TEST REPORT

Job No./Report No TR206714

Date:19 July 2010

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**KARSAN OTOMOTIV İTH. İHR. SAN. VE TIC. LTD. STİ.**  
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**To the attention of Mehmet Karahasanoglu**

The following sample was (were) submitted and identified by the client as:

Sample No.	Sample Description
A	Wooden toys

Client's reference No. : TR 206714

Order No.	:	KR001	KR051	KR101	KR151	KR201
		KR002	KR052	KR102	KR152	KR202
		KR003	KR053	KR103	KR153	KR203
		KR004	KR054	KR104	KR154	KR204
		KR005	KR055	KR105	KR155	KR205
		KR006	KR056	KR106	KR156	KR206
		KR007	KR057	KR107	KR157	KR207
		KR008	KR058	KR108	KR158	KR208
		KR009	KR059	KR109	KR159	KR209
		KR0010	KR060	KR110	KR160	KR210
		KR0011	KR061	KR111	KR161	KR211
		KR0012	KR062	KR112	KR162	KR212
		KR0013	KR063	KR113	KR163	KR213
		KR0014	KR064	KR114	KR164	KR214
		KR0015	KR065	KR115	KR165	KR215
		KR0016	KR066	KR116	KR166	KR216
		KR0017	KR067	KR117	KR167	KR217
		KR0018	KR068	KR118	KR168	KR218
		KR0019	KR069	KR119	KR169	KR219
		KR0020	KR070	KR120	KR170	KR220
		KR0021	KR071	KR121	KR171	KR221
		KR0022	KR072	KR122	KR172	KR222
		KR0023	KR073	KR123	KR173	KR223
		KR0024	KR074	KR124	KR174	KR224
		KR0025	KR075	KR125	KR175	KR225
		KR0026	KR076	KR126	KR176	KR226
		KR0027	KR077	KR127	KR177	KR227
		KR0028	KR078	KR128	KR178	KR228
		KR0029	KR079	KR129	KR179	KR229
		KR0030	KR080	KR130	KR180	KR230
		KR0031	KR081	KR131	KR181	KR231
		KR0032	KR082	KR132	KR182	KR232
		KR0033	KR083	KR133	KR183	KR233
		KR0034	KR084	KR134	KR184	KR234
		KR0035	KR085	KR135	KR185	KR235
		KR0036	KR086	KR136	KR186	KR236
		KR0037	KR087	KR137	KR187	KR237

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KR0038	KR088	KR138	KR188	KR238
KR0039	KR089	KR139	KR189	KR239
KR0040	KR090	KR140	KR190	KR240
KR0041	KR091	KR141	KR191	KR241
KR0042	KR092	KR142	KR192	KR242
KR0043	KR093	KR143	KR193	KR243
KR0044	KR094	KR144	KR194	KR244
KR0045	KR095	KR145	KR195	KR245
KR0046	KR096	KR146	KR196	KR246
KR0047	KR097	KR147	KR197	KR247
KR0048	KR098	KR148	KR198	KR248
KR0049	KR099	KR149	KR199	KR249
KR0050	KR100	KR150	KR200	KR250

Test Performing Period : 28 June 2010 ~ 1 July 2010  
 Age labeled : +3 years  
 Age applied : All ages

**Overall Conclusion : PASS**

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

**Performed Test Summary:** Selected test(s) as requested by client against Client's performance standard.

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Test Parameters	Result					
Chemical tests	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
EN 71 Part 3 :1994 + A1:2000 – Migration of certain elements	M	M	M	M	M	M
Physical tests	<u>A</u>					
EN 71 Part 1:2005+A9:2009-Mechanical and Physical Test	M					
EN 71 Part 2:2006+A1:2007-Flammability of Toys	M					

Remarks : M = Meets client's requirement  
F = Below client's requirement  
\* = No specified requirement

Notes: Conclusions on pass/fail are based on the test result from the actual sampling of the received sample(s).

The test results relate only to the items tested only. The report shall not be reproduced except in full, without the written approval of the laboratory. Test reports without SGS seal and authorised person signature are invalid. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95% the uncertainty evaluation has been carried out in accordance with UKAS/ISO 17025 requirements. This results do not include uncertainties. Opinions and interpretations expressed herein are outside of the scope of UKAS Accreditation. Tests marked (\*) in this Test Report are not included in the UKAS Accreditation Schedule for this Laboratory.

Issued in Istanbul  
Signed for and on behalf of  
SGS Supervise Gözetme Etüd  
Kontrol Servisleri A.Ş.

Banu Şenel Nazlı Şahin  
Laboratory Manager



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### Component List / List of Materials for Chemical Test

Sample No.	Sample Description	Sample Colour	Material No.	Component	Material	Colour
A	toys		1	main	Dye	red
A	toys		2	main	Dye	blue
A	toys		3	main	Dye	navy
A	toys		4	main	Dye	green
A	toys		5	main	Dye	yellow
A	toys		6	main	Wood	-

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CTSL-F 250 / Rev.1

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## Detail Test Result:

### Migration of Certain Element

Test Method: WITH REFERENCE TO EN 71 PART 3: 1994 + A1:2000/AC:2002 ANALYSED BY ICP-MS

<b>Component</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Antimony (Sb)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Arsenic (As)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cadmium (Cd)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Barium (Ba)	n.d.	n.d.	8.9	n.d.	n.d.	n.d.
Selenium (Se)	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
<b>Conclusion</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

### Note(s):

\* Composite test has been performed as per the special request of client

n.d. = not detected

\* = exceed the limit

< = less than

Detection Limit = Ba:10 mg/kg Se:10 mg/kg Hg:6,7 mg/kg Others 5 mg/kg

### Requirement by the client=

Arsenic (As)	25 mg/kg
Cadmium (Cd)	75 mg/kg
Antimony (Sb)	60 mg/kg
Mercury (Hg)	60 mg/kg
Barium(Ba)	1000 mg/kg
Selenium (Se)	500 mg/kg
Lead(Pb)	90 mg/kg
Chromium(Cr)	60 mg/kg

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**European Standard on Safety of Toys**

**-Mechanical and Physical Properties**

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN 71 PART 1:2005 +A9:2009

CLAUSE	DESCRIPTION	RESULT
<b>4</b>	<b>General requirements</b>	
4.1	Material(by visual assessment)	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
<b>5</b>	<b>Toys intended for children under 36 months</b>	Pass
5.1	General Requirements	Pass
<b>7</b>	<b>Warnings and instructions for use (The client has confirmed that the information is given in the national language of the country where the toy is sold)</b>	See remark 1
7.1	General requirements	Pass

**-Flammability of toys**

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71 PART 2:2006 +A1:2007

CLAUSE	DESCRIPTION	RESULT
4.1	General requirements	Pass

**N.B:- Only applicable clauses were shown**

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\* \* \*

End of Test Report

\* \* \*

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