

## TEST REPORT

Job No./Report No TR755859-RV2

Date:29 September 2015 Page 1 of 10

**FIMA KIRTASIYE BIL HIZ YAY KIT TUR DIŞ TIC LTD ŞTI**  
 ISTOC TICARET MERKEZI 25. YOL SK PETROL PLAZA KAT 5 BAGCILAR/ ISTANBUL  
 TEL: 02126597441  
 FAX: 02126597442  
**To the attention of Hatice Abak**

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

Sample No.	Sample Description
A	WHITE DOUGH
B	YELLOW DOUGH
C	PLAY DOUGH (GREEN-BLUE)
D	RED DOUGH W2BP
E	ORANGE DOUGH
F	PINK DOUGH

Client's reference No. : TR 755859  
 Buyer : Hardline  
 Order No. : Not Provided  
 Division : Stationery  
 Model/Style No. : L8240,L8340,L8320, L8350,L8360,L8245,L8346,L8348,L8100,L8170,  
 L8171,L8410,L8412,L8413,L8420,L8430,L8440,L8450,L8460,L8470,  
 L8480,L8425,L8414, L8415,L8600,L8200,L8700,L8800,L8411,L8416,  
 L8417,L8418,L8431,L8432,L8433,L8434,L8436,L8437,L8438,L8439,  
 L8441,L8442,L8443,L8444,L8451,L8447,L8448,L8449,L,8422,L8651,  
 L8652,L8653,L8654,L8655,L8656,L8344  
 Article No. : Not Provided  
 Age Grade : Not Provided  
 Manufacturer : Not Provided  
 Country of Origin : Not Provided  
 Country of Destination : Not Provided  
 Shipment Date : Not Provided  
 Fiber Composition : Not Provided  
 Fabric Weight : Not Provided  
 End Use : Not Provided  
 Sample Receiving Date : 28 April 2015  
 Resubmit Date : Not Provided  
 Test Performing Period : 28 April 2015 ~ 11 May 2015

**Overall Conclusion : PASS**

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

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

Test Parameters	Result					
	A1	B1	C1	D1	E1	F1
<b>Chemical tests</b>						
Migration of Certain Elements-Organic Tins Confirmation	M	M	M	M	M	M
Migration of Certain Elements - Category I by the first action test method	M	M	M	M	M	M

Remarks	:	M = Meets client's requirement
		F = Below client's requirement
		I = Inconclusive
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).	
	Residual sample can be returned to client if requested.	

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The test results relate to the tested items only.  
Test reports without SGS seal and authorized signatures are invalid.  
Reported results do not include uncertainties.  
In this Test Report tests marked (1) are included in the IAS Accreditation Scope of this Laboratory. Opinions and interpretations expressed herein are outside the scope of IAS Accreditation.

**IN THIS REVISED-2 REPORT MODEL STYLE NO WAS ADDED BY THE REQUEST OF THE APPLICANT.  
THIS REPORT SUPERSEDES OUR REPORT NO:755859 R1 DATED: 14.05.2015**

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

Cenk Hacıoğlu  
Customer Services Supervisor

Yağız Barın  
Section Manager



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

Sample No.	Sample Description	Material No.	Component	Material	Colour
A	WHITE DOUGH	A1	Play Dough	Play Dough	White
B	YELLOW DOUGH	B1	Play Dough	Play Dough	Yellow
C	PLAY DOUGH	C1	Play Dough	Play Dough	Blue
D	RED DOUGH W2BP	D1	Play Dough	Play Dough	Red
E	ORANGE DOUGH	E1	Play Dough	Play Dough	Orange
F	PINK DOUGH	F1	Play Dough	Play Dough	Pink

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<b>European Directive 2009/48/EC-Migration of certain elements-Category III<sup>1</sup></b>						
Test Method:		With reference to EN71-3:2013+A1:2014. Analysis was performed by ICP-MS				
Test Item		<b>A1</b>	<b>B1</b>	<b>D1</b>	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
Soluble Aluminium	(Al)	ND	ND	ND	50	70,000
Soluble Antimony	(Sb)	ND	ND	ND	10	560
Soluble Arsenic	(As)	ND	ND	ND	10	47
Soluble Barium	(Ba)	ND	ND	ND	50	18,750
Soluble Boron	(B)	ND	ND	ND	50	15,000
Soluble Cadmium	(Cd)	ND	ND	ND	5	17
Soluble Chromium	(Cr)	ND	ND	ND	0.15	--
Soluble Chromium (III)#	(Cr (III))	NC	NC	NC	1	460
Soluble Chromium (VI)#	(Cr (VI))	NC	NC	NC	0.18	0.2
Soluble Cobalt	(Co)	ND	ND	ND	10	130
Soluble Copper	(Cu)	ND	ND	ND	50	7,700
Soluble Lead	(Pb)	ND	ND	ND	10	160
Soluble Manganese	(Mn)	ND	ND	ND	50	15,000
Soluble Mercury	(Hg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	ND	ND	ND	10	930
Soluble Selenium	(Se)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	ND	ND	ND	50	56,000
Soluble Tin	(Sn)	1,51 mg/kg	1,39 mg/ml	2,19	4.9	180,000
Soluble Organic Tin <sup>^</sup>	--	ND	ND	ND	--	12
Soluble Zinc	(Zn)	ND	ND	ND	50	46,000
<b>Conclusion</b>		<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	--	--

- Note :
1. Mg/kg = milligram per kilogram
  2. ND = Not Detected
  3. 1% = 10000 mg/kg = 10000 ppm
  4. NC=Not conducted

- # 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.

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<b>European Directive 2009/48/EC-Migration of certain elements-Category III<sup>1</sup></b>					
Test Method:		With reference to EN71-3:2013+A1:2014. Analysis was performed by ICP-MS			
Test Item		<b>E1</b>	<b>F1</b>	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
Soluble Aluminium	(Al)	ND	ND	50	70,000
Soluble Antimony	(Sb)	ND	ND	10	560
Soluble Arsenic	(As)	ND	ND	10	47
Soluble Barium	(Ba)	ND	ND	50	18,750
Soluble Boron	(B)	ND	ND	50	15,000
Soluble Cadmium	(Cd)	ND	ND	5	17
Soluble Chromium	(Cr)	ND	ND	0.15	--
Soluble Chromium (III)#	(Cr (III))	NC	NC	1	460
Soluble Chromium (VI)#	(Cr (VI))	NC	NC	0.18	0.2
Soluble Cobalt	(Co)	ND	ND	10	130
Soluble Copper	(Cu)	ND	ND	50	7,700
Soluble Lead	(Pb)	ND	ND	10	160
Soluble Manganese	(Mn)	ND	ND	50	15,000
Soluble Mercury	(Hg)	ND	ND	10	94
Soluble Nickel	(Ni)	ND	ND	10	930
Soluble Selenium	(Se)	ND	ND	10	460
Soluble Strontium	(Sr)	ND	ND	50	56,000
Soluble Tin	(Sn)	ND	ND	4.9	180,000
Soluble Organic Tin	--	0,39 mg/ml	0,83mg/ml	--	12
Soluble Zinc	(Zn)	ND	ND	50	46,000
<b>Conclusion</b>		<b>Pass</b>	<b>Pass</b>	--	--

- Note :
1. Mg/kg = milligram per kilogram
  2. ND = Not Detected
  3. 1% = 10000 mg/kg = 10000 ppm
  4. NC=Not conducted

- # 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.

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Test Item(s)	Soluble Organic Tin Result(s) (mg/kg)					MDL (mg/kg)
	A1	B1	D1	E1	F1	A2
Methyl tin (MeT)	ND	ND	ND	ND	ND	0.5
Di-n-propyl tin (DProT)	ND	ND	ND	ND	ND	0.5
Butyl tin (BuT)	ND	ND	ND	ND	ND	0.5
Dibutyl tin (DBT)	ND	ND	ND	ND	ND	0.5
Tributyl tin (TBT)	ND	ND	ND	ND	ND	0.5
n-Octyl tin (MOT)	ND	ND	ND	ND	ND	0.5
Tetrabutyl tin (TeBT)	ND	ND	ND	ND	ND	0.5
Diphenyl tin (DPhT)	ND	ND	ND	ND	ND	0.5
Di-n-octyl tin (DOT)	ND	ND	ND	ND	ND	0.5
Triphenyl tin (TPhT)	ND	ND	ND	ND	ND	0.5

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<b>European Directive 2009/48/EC-Migration of certain elements-Category III<sup>1</sup></b>				
Test Method:		With reference to EN71-3:2013+A1:2014. Analysis was performed by ICP-MS		
Test Item		<b>C1</b>	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
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Soluble Antimony	(Sb)	ND	10	560
Soluble Arsenic	(As)	ND	10	47
Soluble Barium	(Ba)	ND	50	18,750
Soluble Boron	(B)	ND	50	15,000
Soluble Cadmium	(Cd)	ND	5	17
Soluble Chromium	(Cr)	ND	0.15	--
Soluble Chromium (III)#	(Cr (III))	NC	1	460
Soluble Chromium (VI)#	(Cr (VI))	NC	0.18	0.2
Soluble Cobalt	(Co)	ND	10	130
Soluble Copper	(Cu)	ND	50	7,700
Soluble Lead	(Pb)	ND	10	160
Soluble Manganese	(Mn)	ND	50	15,000
Soluble Mercury	(Hg)	ND	10	94
Soluble Nickel	(Ni)	ND	10	930
Soluble Selenium	(Se)	ND	10	460
Soluble Strontium	(Sr)	ND	50	56,000
Soluble Ti <sup>^</sup>	(Sn)	ND	4.9	180,000
Soluble Organic Tin	--	NC	--	12
Soluble Zinc	(Zn)	ND	50	46,000
<b>Conclusion</b>		<b>Pass</b>	--	--

Note : - mg/kg = milligram per kilogram  
 - ND = Not Detected  
 - 1% = 10000 mg/kg = 10000 ppm

- # 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.

- ^ 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.

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

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