

**Report No.:** Q00331420-1

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**Client:** BELEDUC LERNSPIELWAREN GMBH  
Heinrich-Heine-Weg 2  
09526 Olbernhau / Germany

**Test item(s):** Toy component  
**Identification/** Refer to detail list  
**Model No(s):**

**Sample Receiving date:** 2014-08-06

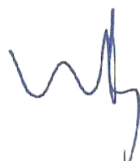
**Testing Period:** 2014-08-06 - 2014-08-12

**Test Specification:** **Test result:**

Customer's requirement:

1. BBP, DBP, DEHP content and DNOP, DINP, DIDP content (REACH) + DIBP + DnHP PASS
2. CPSIA Sect 108, and Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) : Phthalates PASS

For and on behalf of  
TÜV Rheinland (Shanghai) Co.,Ltd.



2014-08-25

Wice Wang / Section Manager

*Date*

*Name/Position*

*Test result is drawn according to the kind and extent of tests performed.*

*This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.*

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HAPE NO.	BELEDUC NO.	DESCRIPTIONSpare part code
B10149	10149	Picture Puzzle 'RABBIT' 301108
B10150	10150	Picture Puzzle 'Hedgehog' 301108
B10151	10151	One Word puzzle 301108
B11002	11002	ROLE PLAY PUZZLE 352024
B11003	11003	CASTLE Role Play Puzzle Market 352155
B11010	11010	'One World' Magnetic Puzzle 352233/352234
B21001	21001	WHAT'S MISSING 112888

**Material List:**

Item: Refer to detail list

Material No.	Material	Color	Location
M001	Plastic + coating	White/Multi	PS board with coating, 112888
M002	Plastic	Snow	PA,352233
M003	Plastic	White	PA,352234
M004	Plastic	Yellow	PC, 301106
M005	Plastic + coating	White/Black	PP board with coating, 352155
M006	Plastic + coating	White/Black	PP board with coating, 352024

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**1. Phthalates**

Test Method: Organic solvent extraction, analyzed by GCMS

**Test Result:**

					Test No.	T001	T002	T003
					Material No.	M001	M002 + M003 + M004	M005 + M006
Test Parameter	CAS NO	Unit	RL	Customer's Requirement	Result	Result	Result	
Dibutyl phthalate (DBP)	84-74-2	%	0.005	-	n.d.	n.d.	n.d.	
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	-	n.d.	n.d.	n.d.	
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	-	n.d.	n.d.	n.d.	
Sum (DBP+BBP+DEHP)	-	%	NA	0.1	n.d.	n.d.	n.d.	
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	-	n.d.	n.d.	n.d.	
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	-	n.d.	n.d.	n.d.	
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	-	n.d.	n.d.	n.d.	
Sum (DNOP+DIDP+DINP)	-	%	NA	0.1	n.d.	n.d.	n.d.	
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	0.1	n.d.	n.d.	n.d.	
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	n.d.	n.d.	n.d.	

**Abbreviation:** n.d. = not detected (< RL)  
 RL = Reporting Limit  
 NA = Not Applicable  
 % = percentage

**Remark:**

- \* Single components with an amount of <0.005% were not considered by the calculation of the sum. In the case of all 6 Phthalates were not detected, the result is stated n.d.
- \*\* REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 51 (formerly known as 2005/84/EC) on BBP, DBP and DEHP and Item 52 (formerly known as 2005/84/EC) on DNOP, DIDP and DINP are employed.

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**2.CPSIA Sect 108, and Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) : Phthalates**

Test Method: CPSC-CH-C1001-09.3

**Test result**

<b>CPSIA Sect. 108</b>	<b>Phthalates</b>	<b>PASS</b>
<b>Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)</b>	<b>Phthalates</b>	<b>PASS</b>

					Test No.	T001	T002	T003
					Material No.	M001	M002 + M003 + M004	M005 + M006
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result	
Dibutyl phthalate (DBP)	84-74-2	%	0.005	0.1	n.d.	n.d.	n.d.	
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	0.1	n.d.	n.d.	n.d.	
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	0.1	n.d.	n.d.	n.d.	
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	0.1	n.d.	n.d.	n.d.	
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	0.1	n.d.	n.d.	n.d.	
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	0.1	n.d.	n.d.	n.d.	
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	0.1	n.d.	n.d.	n.d.	
Conclusion - CPSIA Phthalates					PASS	PASS	PASS	
Conclusion - Prop 65 Phthalates					PASS	PASS	PASS	

**Abbreviation:** n.d. = Not Detected (< RL)  
 RL = Reporting Limit  
 % = percentage

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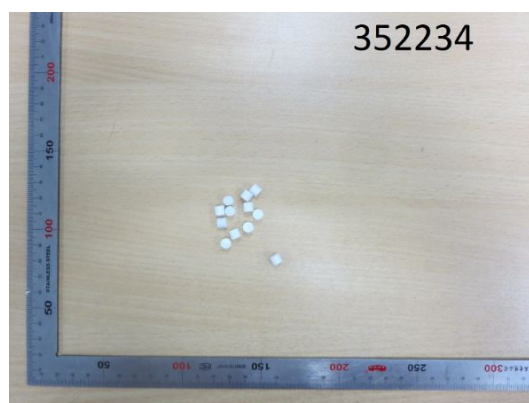
**Remark:**

- \* Requirement according to Consumer Product Safety Improvement Act 2008, section 108, is summarized below:

Date of Implementation	Parameter	Unit	Maximum Permissible Limit
180 days after the date of enactment/10 Feb 2009	Any children's toy or childcare article:		
	Dibutyl phthalate (DBP), Benzylbutyl phthalate (BBP) or Diethylhexyl phthalate (DEHP)	%	0.1
	Any children's toy that can be placed in a child's mouth or childcare article		
	Di-n-octyl phthalate (DNOP), Diisodecyl phthalate (DIDP) or Diisononyl phthalate (DINP)	%	0.1

- \*1 a) Toys and childcare articles shall not contain more than 1,000ppm (0.1%) of each of DBP, BBP, DEHP, DIDP, DnHP.  
 b) Children's toys and apparel, product shall not contain more than 1000ppm of DEHP.

Sample Photos



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