



Test Report No.: Q00010616e 001

Page 1 of 5

Client: JOHN N. HANSEN CO., INC.
369 Adrian Road, Millbrae, CA 94030-3104, U.S.A.

Test item(s): Toy

**Identification/
Model No(s):** PZ100 Brain Twist

Sample Receiving date: 09 Nov. 2009;
24 Nov. 2009

Delivery condition: Apparent good, Samples tested as received

Test specification:

BBP, DBP, DeHP content and DNOP, DINP, DIDP content requirements of REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 51 & 52 respectively (formerly known as 2005/84/EC)

Test result:

PASS

Other Information:

Country of Origin: China

Country of Destination: U.S.A. / U.K. / DUBA / CANADA

For and on behalf of
TÜV Rheinland (Hong Kong) Ltd.

30 Nov. 2009

William To Assistant Technical 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.*

Test Report No.: Q00010616e 001

Page 2 of 5

Test method: Organic solvent extraction, analyzed by GCMS (QMA 36.035.13 HKG)

Testing period: 18 Nov. 2009 – 25 Nov. 2009

Material list

Item: PZ100 Brain Twist

Material No.	Material	Color	Location
1	coating	white/black	product name logo/brand logo
2	plastic	black	body
3	plastic	green	body
4	plastic	light green	body
5	plastic	yellow	body
6	plastic	light blue	body
7	plastic	red	body
8	plastic	orange	body
9	plastic	deep purple	body
10	plastic	light purple	body
11	plastic	black	connector

Test result

	Test No.	1	2	3	4
	Material No.	1	2	3	4
Dibutyl phthalate (DBP)	%	<0.005	<0.005	<0.005	<0.005
Butyl benzyl phthalate (BBP)	%	<0.005	<0.005	<0.005	<0.005
Di-2-ethylhexyl phthalate (DEHP)	%	0.020	<0.005	<0.005	<0.005
Sum	%	0.020	n.d.	n.d.	n.d.
Di-n-octyl phthalate (DNOP)	%	<0.005	<0.005	<0.005	<0.005
Di-iso-decyl phthalate (DIDP)	%	<0.005	<0.005	<0.005	<0.005
Di-iso-nonyl phthalate (DINP)	%	<0.005	<0.005	<0.005	<0.005
Sum	%	n.d.	n.d.	n.d.	n.d.

	Test No.	5	6	7	8
	Material No.	5	6	7	8
Dibutyl phthalate (DBP)	%	<0.005	<0.005	<0.005	<0.005
Butyl benzyl phthalate (BBP)	%	<0.005	<0.005	<0.005	<0.005
Di-2-ethylhexyl phthalate (DEHP)	%	<0.005	<0.005	<0.005	<0.005
Sum	%	n.d.	n.d.	n.d.	n.d.
Di-n-octyl phthalate (DNOP)	%	<0.005	<0.005	<0.005	<0.005
Di-iso-decyl phthalate (DIDP)	%	<0.005	<0.005	<0.005	<0.005
Di-iso-nonyl phthalate (DINP)	%	<0.005	<0.005	<0.005	<0.005
Sum	%	n.d.	n.d.	n.d.	n.d.

Test Report No.: Q00010616e 001

Page 3 of 5

	Test No.	9	10	11
	Material No.	9	10	11
Dibutyl phthalate (DBP)	%	<0.005	<0.005	<0.005
Butyl benzyl phthalate (BBP)	%	<0.005	<0.005	<0.005
Di-2-ethylhexyl phthalate (DEHP)	%	<0.005	<0.005	<0.005
Sum	%	n.d.	n.d.	n.d.
Di-n-octyl phthalate (DNOP)	%	<0.005	<0.005	<0.005
Di-iso-decyl phthalate (DIDP)	%	<0.005	<0.005	<0.005
Di-iso-nonyl phthalate (DINP)	%	<0.005	<0.005	<0.005
Sum	%	n.d.	n.d.	n.d.

Abbreviation : < denotes less than

n.d. denotes not detected

Remark:

- *1. 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.
- *2. Requirements according to BBP, DBP and DeHP content requirements of REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 51 (formerly known as 2005/84/EC) and DNOP, DINP and DIDP content requirements of REACH regulation (EC) No. 1907/2006 and amendment no. 552/2009 Annex XVII Item 52 (formerly known as 2005/84/EC) are summarized as below.

A. For toys and childcare articles:

Parameter	Unit	Maximum Allowable Limit
Dibutyl phthalate (DBP)	%	--
Butyl benzyl phthalate (BBP)	%	--
Di-2-ethylhexyl phthalate (DEHP)	%	--
Sum	%	0.1

B. Additional requirements for toys and childcare articles, which can be placed in mouth by the children:

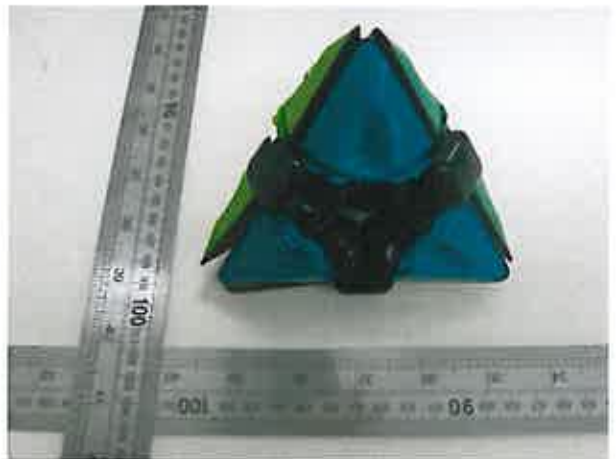
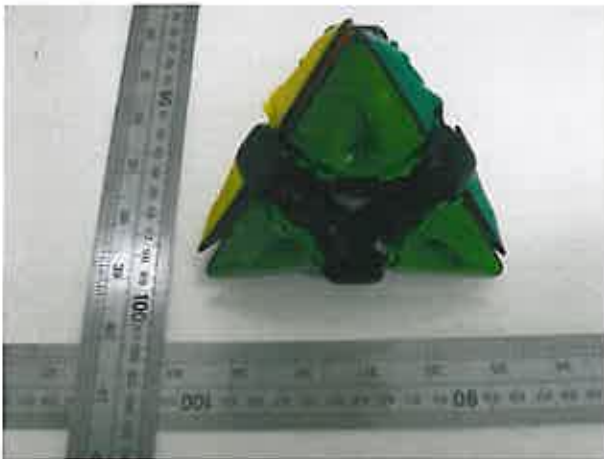
Parameter	Unit	Maximum Allowable Limit
Di-n-octyl phthalate (DNOP)	%	--
Di-iso-decyl phthalate (DIDP)	%	--
Di-iso-nonyl phthalate (DINP)	%	--
Sum	%	0.1

Testing Laboratory accredited by DAP according to DIN EN ISO/IEC 17025. The accreditation is valid for the test methods stated in the certificate.

Test Report No.: Q00010616e 001

Page 4 of 5

Sample photos:



Test Report No.: Q00010616e 001

Page 5 of 5



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