



# Test Report



TESTING  
CNAS L8418

Report No.: **BTS20180601203-3**

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Client name : MEI ZHEN TOYS FACTORY  
 Client address : CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA

Description of sample : PLASTIC TOY  
 Name of sample : DIY TOYS  
 Item No. : SEE ATTACHMENT  
 Quantity : 2 SETS

Requested age grade : 3+  
 Test age grade : 3+  
 Sample receiving date : 2018-12-06  
 Testing completed date : 2018-12-10

## Testing requested

- In accordance to REACH Regulation (EC) No.1907/2006 and amendment No.552/2009 Annex XVII Item 51&52 respectively (formerly known as 2005/84/EEC) to test: DBP, BBP, DEHP and DNOP, DINP, DIDP content.
- The DnHP content of the client's requirement.

## Conclusion

PASS  
 PASS

Note: At the client's request, the tested parts were specified by client.

Test results: Please refer to next page.

Signed for and on behalf of BTS



PETER CHEN

Technical Director

CNAS approved signatory

2018-12-10

**Test results:**

DBP, BBP, DEHP, DNOP, DINP, DIDP, DnHP content

Reference to the method of CPSC-CH-C1001-09.3. Analysis was performed by GC-MS.

Test Items	Test results (%)				MDL	Law limit
	1+2+3	4+5+6	7+8+9	10+11+12		
DBP	N.D.	N.D.	N.D.	N.D.	0.003%	Total(DBP+BBP+DEHP) ≤0.1%
BBP	N.D.	N.D.	N.D.	N.D.	0.003%	
DEHP	N.D.	N.D.	0.026	0.026	0.003%	
Total(DBP+BBP+DEHP)	<0.009	<0.009	<0.009	<0.009		
DNOP	N.D.	N.D.	N.D.	N.D.	0.003%	Total(DNOP+DINP+DIDP) ≤0.1%
DINP	N.D.	N.D.	N.D.	N.D.	0.010%	
DIDP	N.D.	N.D.	N.D.	N.D.	0.010%	
Total(DNOP + DINP + DIDP)	<0.023	<0.023	<0.023	<0.023		

Test Items	Test results (%)				MDL	Client's limit
	1+2+3	4+5+6	7+8+9	10+11+12		
DnHP	N.D.	N.D.	N.D.	N.D.	0.003%	<0.1%

Test Items	Test results (%)				MDL	Law limit
	13+14+15	16+17+18	19+20+21	22+23		
DBP	N.D.	N.D.	N.D.	N.D.	0.003%	Total(DBP+BBP+DEHP) ≤0.1%
BBP	N.D.	N.D.	N.D.	N.D.	0.003%	
DEHP	N.D.	N.D.	0.026	0.026	0.003%	
Total(DBP+BBP+DEHP)	<0.009	<0.009	<0.009	<0.009		
DNOP	N.D.	N.D.	N.D.	N.D.	0.003%	Total(DNOP+DINP+DIDP) ≤0.1%
DINP	N.D.	N.D.	N.D.	N.D.	0.010%	
DIDP	N.D.	N.D.	N.D.	N.D.	0.010%	
Total(DNOP + DINP + DIDP)	<0.023	<0.023	<0.023	<0.023		

The test report is not valid without the special stamp of testing report and/or the signature of approving person. This test report is only responsible for the supplied samples. The report shall not be copied partly without the written consent of our company. Disagreement against this test report, if any, should be offered to our company within 10 days since receiving the report.

SHANTOU BIAOJIAN TECHNICAL SERVICE CO., LTD (BTS)

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Web: www.st-bts.com

Test Items	Test results (%)				MDL	Client's limit
	13+14+15	16+17+18	19+20+21	22+23		
DnHP	N.D.	N.D.	N.D.	N.D.	0.003%	<0.1%

Test Items	Test results (%)				MDL	Law limit
	24+25	26+27	28	/		
DBP	N.D.	N.D.	N.D.	/	0.003%	Total(DBP+ BBP+DEHP) ≤0.1%
BBP	N.D.	N.D.	N.D.	/	0.003%	
DEHP	N.D.	N.D.	N.D.	/	0.003%	
Total(DBP+BBP+DEHP)	<0.009	<0.009	<0.009	/		
DNOP	N.D.	N.D.	N.D.	/	0.003%	Total(DNOP+ DINP+DIDP) ≤0.1%
DINP	N.D.	N.D.	N.D.	/	0.010%	
DIDP	N.D.	N.D.	N.D.	/	0.010%	
Total(DNOP + DINP + DIDP)	<0.023	<0.023	<0.023	/		

Test Items	Test results (%)				MDL	Client's limit
	24+25	26+27	28	/		
DnHP	N.D.	N.D.	N.D.	/	0.003%	<0.1%

Note: - N.D.= Not Detected (lower than MDL )  
- % = percentage by weight

**Test component:**

Component No.	Specimen description
1	Yellow plastic (tool kit/drill)
2	Blue plastic (tool kit)
3	Transparent plastic (PVC on tool kit)
4	Pink plastic (tool kit)
5	White plastic (tool kit)
6	Transparent plastic (tool kit)
7	Sky-blue plastic (tool kit)
8	Light blue plastic (helmet)
9	Light yellow plastic (helmet)
10	Orange plastic (helmet)
11	Red plastic (helmet/knife)
12	Deep blue plastic (drill/knife)
13	Orange red plastic (drill/ wrench)
14	Powder blue plastic (drill)
15	Purple plastic (drill)
16	Beige plastic (drill)
17	Dull pink plastic (drill)
18	Green plastic (screwdriver/clamp/knife)
19	Gray plastic (screwdriver/clamp/knife)
20	Black plastic (clamp)
21	Brown plastic (saw)
22	Light pink plastic (knife)
23	Cerulean plastic (tool holder)
24	Light brown plastic (axe)
25	Dull green plastic (wrench)
26	Black coating
27	White coating
28	Multi-color coating

Sample photo:





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**Attachment:**

Item NO.:

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End of Report