

# TEST REPORT

Report No. : C15012907      Report ID: 81087271      Sample No.: C-15012907      Page No. : 1 of 4

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

Name of Product :      Paper Straws  
Test Model :      T3252, T7678, BL211, WX, CWX  
Sample Received :      January 30, 2015  
Test Period :      January 30, 2015- February 4, 2015

Summary of test results:

Test Request	Conclusion
Sensory Test(Odour and Taste) for Paper and Paperboard in Contact with Foodstuffs - EC No. 1935/2004, §30 and 31 LFGB and BfR Recommendation	PASS
Pentachlorophenol Content for Paper and Paperboard in Contact with Foodstuffs - §30 and 31 LFGB and BfR Recommendation	PASS
Extractable Heavy Metals Contents for Paper and Paperboard in Contact with Foodstuffs - §30 and 31 LFGB and BfR Recommendation	PASS

Signed for and on behalf of  
DTTS Testing Lab



Huang Hongxin  
Lab Manager

Date: February 4, 2015

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## TEST RESULTS:

### 1. Sensory Test(Odour and Taste) for Papaer and Paperboard in Contact with Foodstuffs - EC No. 1935/2004, §30 and 31 LFGB and BfR Recommendation

Relative humidity in test vessel: 53% /75%

Parameter	Result	Maximum Allowable Limit
	1#	
Odour	1	2.5 Scale
Off-flavour in water	1	2.5 Scale
<b>Conclusion</b>	PASS	-

Note : Scale for odour:

0= no perceptible odour;  
1= odour just perceptible(still difficult to define);  
2=moderate odour;  
3=moderately strong odour;  
4=strong odour

Scale for off-falvour:

0= no perceptible off-falvour;  
1= off-falvour just perceptible(still difficult to define);  
2=moderate off-falvour;  
3=moderately strong off-falvour;  
4=strong off-falvour

Method: EN 1230-1:2001 and EN 1230-2:2001

Remark: The odour is described as with individual scale of 2 or above as per the testing standard EN1230-1.

### 2.Pentachlorophenol Content for Paper and Paperboard in Contact with Foodstuffs - §30 and 31 LFGB and BfR Recommendation

Parameter	Unit	Result	Maximum Allowable
		1#	Limit
PCP	mg/kg	<0.05	<0.15
<b>Conclusion</b>	-	PASS	-

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Note :    “<”= less than  
mg/kg = milligram per kilogram

Method: §64 LFGB B82.02-8: 2001(modified).  
Remark: The limit refers to BfR Recommendation XXXVI.

## 3. Extractable Heavy Metals Contents for Paper and Paperboard in Contact with Foodstuffs - §30 and 31 LFGB and BfR Recommendation

Parameter	Unit	Result	Maximum Allowable
		1#	Limit
Cadmium(Cd)	μ g/g	<0.05	0.5
Lead(Pb)	μ g/g	<0.05	3
Mercury(Hg)	μ g/g	<0.05	0.3
Chromium III(Cr III)	μ g/dm <sup>2</sup>	<1	4
Chromium IV(Cr IV)	μ g/dm <sup>2</sup>	<0.5	Not Detected
<b>Conclusion</b>	-	PASS	-

Note :    “<”= less than  
μ g/g= microgram per gram  
μ g/dm<sup>2</sup>= microgram per square decimeter

Method: Cold water extraction was performed according to EN 645:1994. The chromium VI content was Analyzed by UV-Vis Spectrophotometer while other heavy metals content was analyzed Inductively Coupled Argon Plasma Spectrometer.

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# TEST REPORT

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## Test Part Description:

1#	Paper Straws(mixed testing)
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## SAMPLE PHOTO(S)



1#

\*\*\*\*\* END OF REPORT \*\*\*\*\*

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