



# CTS

CENTRE OF TESTING SERVICE

## TEST REPORT

No.: CNB3181123007-F

DATE: Dec. 4, 2018

PAGE: 1 of 6

### APPLICANT:

### DESCRIPTION OF SAMPLES:

Sample Name : Stainless steel straws  
 Model No. : 14656、14566、14567  
 Brand Name : /  
 Manufacturer Name :  
 Buyer Name : EDCO  
 Country of Origin : /  
 Country of Destination : /  
 Sample Receiving Date : Nov. 23, 2018  
 Testing Period : Nov. 23, 2018 to Dec. 4, 2018  
 Test Requested : Please refer to next page(s)  
 Test Method : Please refer to next page(s)  
 Test Results : Please refer to next page(s)

### CONCLUSION:

Tested Samples	Test Requested	Conclusion
Tested Component of Submitted Sample	Sensory test	Pass
	Extractable Heavy Metals	Pass

Note: The tested part of the sample was specified by client.  
 The test conclusion was given based on the results of tested part.

Authorized by: CTS (Ningbo) Testing Service Technology Co., Ltd.



Jane.Ye

Lab Manager

The measurement results only apply to the submitted samples.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Ningbo) Testing Service Technology Co., Ltd.**

Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-87912121 (16 lines)

Fax: +86-574-87907993

Complaint line: +86-574-87908003

E-mail: [cts@cts-lab.com](mailto:cts@cts-lab.com)

See Reverse For Terms And Conditions of Service



## TEST REPORT

No.: CNB3181123007-F

DATE: Dec. 4, 2018

PAGE: 2 of 6

### TEST RESULTS:

#### Test Requested

In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005(LFGB), Section 30 & 31 and European Commission Directive 1935/2004/EC.

- 1) Sensorial examination odour and taste test.
- 2) For material: Metal or metallic coating - Extractable Heavy Metals.

#### Test Method

- 1) Robinson's test with reference to DIN 10955: 1983(2004)  
 Test media : Distilled water  
 No. of panelist : Five
- 2) Sample preparation in 0.5% citric acid at 70°C for 2 hours, followed by analysis using Inductively Coupled Argon Plasma Spectrometry.

#### 1) Sensory test

Test Item	Maximum Permissible Limit	Result		
		No.1	No.2	No.3
Sensorial examination odour (Point scale)	2.5	0	0	0
Sensorial examination taste (Point scale)	2.5	0	0	0

Test Item	Maximum Permissible Limit	Result	
		No.4	No.5
Sensorial examination odour (Point scale)	2.5	0	0
Sensorial examination taste (Point scale)	2.5	0	0

Remark:

Odour/ Taste	Grade
No difference from natural sample	0
Just barely perceivable difference	1
Weak but definable difference	2
Clearly perceivable difference	3
Strong difference	4

The measurement results only apply to the submitted samples. Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.



# CTS

CENTRE OF TESTING SERVICE

## TEST REPORT

No.: CNB3181123007-F

DATE: Dec. 4, 2018

PAGE: 3 of 6

### 2) Extractable Heavy Metals

Test Item	MDL (mg/kg)	Result Sum 1 <sup>st</sup> +2 <sup>nd</sup> contact (mg/kg)			Limit Sum 1 <sup>st</sup> +2 <sup>nd</sup> contact (mg/kg)	Result 3 <sup>rd</sup> contact (mg/kg)			Limit 3 <sup>rd</sup> contact (mg/kg)
		No.1	No.2	No.3		No.1	No.2	No.3	
Silver	0.08	N.D.	N.D.	N.D.	0.56	N.D.	N.D.	N.D.	0.08
Aluminium	4.0	N.D.	N.D.	N.D.	35	N.D.	N.D.	N.D.	5
Cobalt	0.02	N.D.	N.D.	N.D.	0.14	N.D.	N.D.	N.D.	0.02
Chromium	0.10	N.D.	N.D.	N.D.	1.75	N.D.	N.D.	N.D.	0.25
Copper	4.0	N.D.	N.D.	N.D.	28	N.D.	N.D.	N.D.	4
Iron	4.0	N.D.	N.D.	N.D.	280	N.D.	N.D.	N.D.	40
Magnesium	0.1	N.D.	N.D.	N.D.	---	N.D.	N.D.	N.D.	---
Manganese	1.0	N.D.	N.D.	N.D.	12.6	N.D.	N.D.	N.D.	1.8
Molybdenum	0.10	N.D.	N.D.	N.D.	0.84	N.D.	N.D.	N.D.	0.12
Nickel	0.10	N.D.	N.D.	N.D.	0.98	N.D.	N.D.	N.D.	0.14
Tin	4	N.D.	N.D.	N.D.	700	N.D.	N.D.	N.D.	100
Titanium	0.1	N.D.	N.D.	N.D.	---	N.D.	N.D.	N.D.	---
Vanadium	0.01	N.D.	N.D.	N.D.	0.07	N.D.	N.D.	N.D.	0.01
Zinc	4.0	N.D.	N.D.	N.D.	35	N.D.	N.D.	N.D.	5
Arsenic	0.002	N.D.	N.D.	N.D.	0.014	N.D.	N.D.	N.D.	0.002
Barium	1.0	N.D.	N.D.	N.D.	8.4	N.D.	N.D.	N.D.	1.2
Beryllium	0.01	N.D.	N.D.	N.D.	0.07	N.D.	N.D.	N.D.	0.01
Cadmium	0.005	N.D.	N.D.	N.D.	0.035	N.D.	N.D.	N.D.	0.005
Mercury	0.003	N.D.	N.D.	N.D.	0.021	N.D.	N.D.	N.D.	0.003
Lithium	0.040	N.D.	N.D.	N.D.	0.336	N.D.	N.D.	N.D.	0.048
Lead	0.01	N.D.	N.D.	N.D.	0.07	N.D.	N.D.	N.D.	0.01
Antimony	0.04	N.D.	N.D.	N.D.	0.28	N.D.	N.D.	N.D.	0.04
Thallium	0.0001	N.D.	N.D.	N.D.	0.0007	N.D.	N.D.	N.D.	0.0001

The measurement results only apply to the submitted samples.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Ningbo) Testing Service Technology Co., Ltd.**

Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-87912121 (16 lines)

Fax: +86-574-87907993

Complaint line: +86-574-87908003

E-mail: [cts@cts-lab.com](mailto:cts@cts-lab.com)

See Reverse For Terms And Conditions of Service



# CTS

CENTRE OF TESTING SERVICE

## TEST REPORT

No.: CNB3181123007-F

DATE: Dec. 4, 2018

PAGE: 4 of 6

Test Item	MDL (mg/kg)	Result Sum 1 <sup>st</sup> +2 <sup>nd</sup> contact (mg/kg)		Limit Sum 1 <sup>st</sup> +2 <sup>nd</sup> contact (mg/kg)	Result 3 <sup>rd</sup> contact (mg/kg)		Limit 3 <sup>rd</sup> contact (mg/kg)
		No.4	No.5		No.4	No.5	
Silver	0.08	N.D.	N.D.	0.56	N.D.	N.D.	0.08
Aluminium	4.0	N.D.	N.D.	35	N.D.	N.D.	5
Cobalt	0.02	N.D.	N.D.	0.14	N.D.	N.D.	0.02
Chromium	0.10	N.D.	N.D.	1.75	N.D.	N.D.	0.25
Copper	4.0	N.D.	N.D.	28	N.D.	N.D.	4
Iron	4.0	N.D.	N.D.	280	N.D.	N.D.	40
Magnesium	0.1	N.D.	N.D.	---	N.D.	N.D.	---
Manganese	1.0	N.D.	N.D.	12.6	N.D.	N.D.	1.8
Molybdenum	0.10	N.D.	N.D.	0.84	N.D.	N.D.	0.12
Nickel	0.10	N.D.	N.D.	0.98	N.D.	N.D.	0.14
Tin	4	N.D.	N.D.	700	N.D.	N.D.	100
Titanium	0.1	N.D.	N.D.	---	N.D.	N.D.	---
Vanadium	0.01	N.D.	N.D.	0.07	N.D.	N.D.	0.01
Zinc	4.0	N.D.	N.D.	35	N.D.	N.D.	5
Arsenic	0.002	N.D.	N.D.	0.014	N.D.	N.D.	0.002
Barium	1.0	N.D.	N.D.	8.4	N.D.	N.D.	1.2
Beryllium	0.01	N.D.	N.D.	0.07	N.D.	N.D.	0.01
Cadmium	0.005	N.D.	N.D.	0.035	N.D.	N.D.	0.005
Mercury	0.003	N.D.	N.D.	0.021	N.D.	N.D.	0.003
Lithium	0.040	N.D.	N.D.	0.336	N.D.	N.D.	0.048
Lead	0.01	N.D.	N.D.	0.07	N.D.	N.D.	0.01
Antimony	0.04	N.D.	N.D.	0.28	N.D.	N.D.	0.04
Thallium	0.0001	N.D.	N.D.	0.0007	N.D.	N.D.	0.0001

The measurement results only apply to the submitted samples.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Ningbo) Testing Service Technology Co., Ltd.**

Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-87912121 (16 lines)

Fax: +86-574-87907993

Complaint line: +86-574-87908003

E-mail: [cts@cts-lab.com](mailto:cts@cts-lab.com)

See Reverse For Terms And Conditions of Service



## TEST REPORT

No.: CNB3181123007-F

DATE: Dec. 4, 2018

PAGE: 5 of 6

Note : 1. mg/kg = milligram per kilogram of foodstuff in contact with  
2. N.D. = Not Detected (<MDL)  
3. MDL = Method Detection Limit  
4. The limit refer to Technical document for metals and alloys used as food contact materials (2013)

Test Part Description :

No.1 : Silvery stainless steel straw  
No.2 : Black stainless steel straw  
No.3 : Golden stainless steel straw  
No.4 : Champagne stainless steel straw  
No.5 : Multicolor stainless steel straw

The measurement results only apply to the submitted samples.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Ningbo) Testing Service Technology Co., Ltd.**

Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-87912121 (16 lines)

Fax: +86-574-87907993

Complaint line: +86-574-87908003

E-mail: [cts@cts-lab.com](mailto:cts@cts-lab.com)

See Reverse For Terms And Conditions of Service



# CTS

CENTRE OF TESTING SERVICE

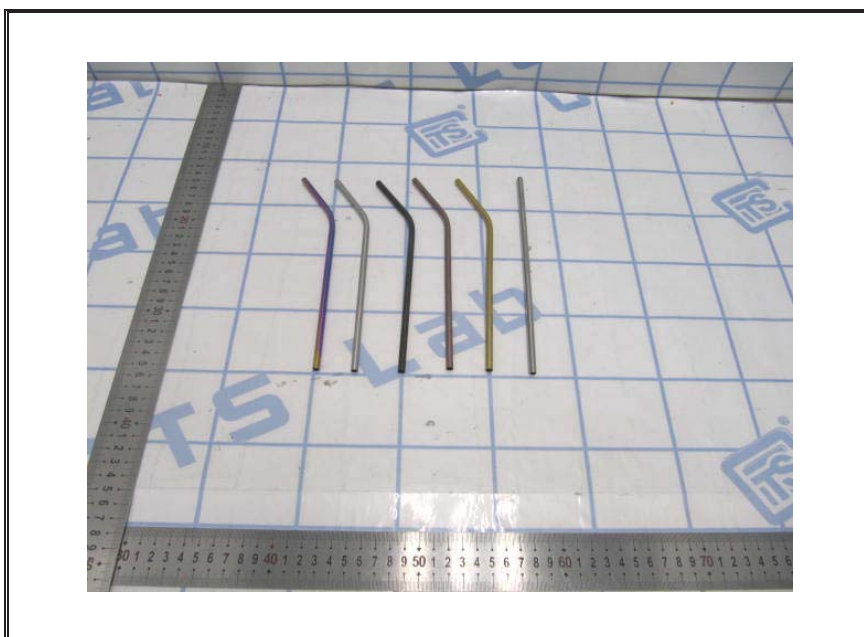
## TEST REPORT

No.: CNB3181123007-F

DATE: Dec. 4, 2018

PAGE: 6 of 6

### SAMPLE REFERENCE PHOTO:



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

The measurement results only apply to the submitted samples.

Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Ningbo) Testing Service Technology Co., Ltd.**

Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-87912121 (16 lines)

Fax: +86-574-87907993

Complaint line: +86-574-87908003

E-mail: [cts@cts-lab.com](mailto:cts@cts-lab.com)

See Reverse For Terms And Conditions of Service