

Haahr & Co. varenr.  
 2025734-2025735,2026031-  
 2026033,2026036-2026048,  
 2026054-2026056,  
 2026058-2026059,  
 2026062-2026063,  
 2026065-2026066,  
 2026068-2026069,  
 2026076,2026078,  
 2026080,2026082,2026084

**Declaration of Conformity for knives  
 and cutlery made of stainless steel with  
 various handles**

Page:1 of 3  
 Gældende for Haahr & Co. A/S

Version 1, 15.10.2012, DL

Ibrugtagningsdato/ Godkendt af

7/12-18 / DL

1	<p>Haahr &amp; Co. A/S          Mådevej 20          6700 Esbjerg</p> <p>Tlf. +45 75 12 80 00          Fax +45 75 12 27 19</p> <p><a href="http://www.haahr-co.dk">http://www.haahr-co.dk</a></p>																																															
2	<p>Identification of the Product:</p> <ul style="list-style-type: none"> <li>• <u>Name</u></li> <li>• <u>Item No.</u></li> <li>• <u>Description</u></li> <li>• <u>Material</u></li> <li>• <u>Photo</u></li> </ul>	<p>MODEL 1005-B</p> <table border="0"> <tr><td>08291 Table Knife</td><td>INOX 13% Chrome – AISI 420</td></tr> <tr><td>00968 Table fork</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>00969 Table spoon</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>00895 Steak knife</td><td>INOX 13% Chrome – AISI 420</td></tr> <tr><td>00972 Tea spoon</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>00973 Coffee spoon</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>00976 Appetizer fork</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>08292 Dessert knife</td><td>INOX 13% Chrome – AISI 420</td></tr> <tr><td>00970 Dessert fork</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>00971 Dessert spoon</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>00974 Cake fork</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>00975 Soda spoon</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>00978 Sauce spoon</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>00977 Serving spoon</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>00979 Cake server</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>00886 Sweet knife</td><td>INOX 13% Chrome – AISI 420</td></tr> <tr><td>00927 Meat serving fork</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>07893 Salad fork</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>07894 Salad spoon</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>00922 Soup ladle</td><td>INOX 17% Chrome – AISI 430</td></tr> </table> <p>01853 ENGRAVED Lobster fork INOX 17% Chrome – AISI 430</p> <table border="0"> <tr><td>01704 PLAIN baby knife</td><td>INOX 13% Chrome – AISI 420</td></tr> <tr><td>01705 PLAIN Baby fork</td><td>INOX 17% Chrome – AISI 430</td></tr> <tr><td>01706 PLAIN Baby spoon</td><td>INOX 17% Chrome – AISI 430</td></tr> </table>	08291 Table Knife	INOX 13% Chrome – AISI 420	00968 Table fork	INOX 17% Chrome – AISI 430	00969 Table spoon	INOX 17% Chrome – AISI 430	00895 Steak knife	INOX 13% Chrome – AISI 420	00972 Tea spoon	INOX 17% Chrome – AISI 430	00973 Coffee spoon	INOX 17% Chrome – AISI 430	00976 Appetizer fork	INOX 17% Chrome – AISI 430	08292 Dessert knife	INOX 13% Chrome – AISI 420	00970 Dessert fork	INOX 17% Chrome – AISI 430	00971 Dessert spoon	INOX 17% Chrome – AISI 430	00974 Cake fork	INOX 17% Chrome – AISI 430	00975 Soda spoon	INOX 17% Chrome – AISI 430	00978 Sauce spoon	INOX 17% Chrome – AISI 430	00977 Serving spoon	INOX 17% Chrome – AISI 430	00979 Cake server	INOX 17% Chrome – AISI 430	00886 Sweet knife	INOX 13% Chrome – AISI 420	00927 Meat serving fork	INOX 17% Chrome – AISI 430	07893 Salad fork	INOX 17% Chrome – AISI 430	07894 Salad spoon	INOX 17% Chrome – AISI 430	00922 Soup ladle	INOX 17% Chrome – AISI 430	01704 PLAIN baby knife	INOX 13% Chrome – AISI 420	01705 PLAIN Baby fork	INOX 17% Chrome – AISI 430	01706 PLAIN Baby spoon	INOX 17% Chrome – AISI 430
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Haahr & Co. varenr.	<b>Declaration of Conformity for knives and cutlery made of stainless steel with various handles</b>	Page:2 of 3 Gældende for Haahr & Co. A/S
	Version 1, 15.10.2012, DL	Ibrugtagningsdato/ Godkendt af 7/12-18 /OL

3	<p><b><u>General EU compliance:</u></b></p> <p>These articles comply with the requirements of Regulation 1935/2004-EC, and are produced and handled in accordance with the requirements of good manufacturing practice in Regulation 2023/2006-EC.</p> <p><b><u>Specific EU compliance for plastic handles in contact with food:</u></b></p> <p>Plastic handles are considered to be food contact materials only to the extent blade design probable that there will be contact with food. On the blades with forged knife spine, the handle is not regarded a food contact material.</p> <p>There are only used monomers, other parent compounds, macromolecules obtained from microbial fermentation, additives and polymerization excipients specified in Annex I to 10/2011-EU.</p> <p>The articles that are covered by this compliance:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Contains no substances, or their degradation products, for which restrictions and/or specifications and/or purity criteria in Annex I and Annex II to 10/2011-EU are set, or pursuant to Directives 2008/60/EC, 95/45/EC and 2008/84/EC.</li> <li><input type="checkbox"/> Contains substances, or their degradation products, for which restrictions and/or specifications and/or purity criteria in Annex I and Annex II to 10/2011-EU are met, or pursuant to Directives 2008/60/EC, 95/45/EC and 2008/84/EC.</li> </ul> <p>We have trial data and/or theoretical calculations available documenting that limit values for total and possibly specific migration, as well as any purity criteria, are met under the worst possible uses within the intended and foreseeable scope.</p> <p><b><u>Health risk assessment of the metal:</u></b></p> <p>The knives/cutlery is suitable for contact with food under the section 4 specified conditions, as they meet the requirements for purity, composition and staining given in:</p> <ul style="list-style-type: none"> <li>• French and Italian legislation on metallic food contact materials and/or</li> <li>• US-FDA FOOD CODE 2009 AND NFS/ANSI 51 - 2012 on Food Equipment Materials.</li> </ul> <p><b><u>Health risk assessment of raw and oiled wood and bamboo handles in contact with food:</u></b></p> <p>There is only utilized an untreated or oiled wood/bamboo variety which have traditionally been used for the handles, or in direct contact with food, and are deemed appropriate.</p> <p>For the oiling, tempered vegetable oils are used that are suitable for contact with food.</p>
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Haahr & Co varenr.	<b>Declaration of Conformity for knives and cutlery made of stainless steel with various handles</b>	Page:3 of 3 Gældende for Haahr & Co. A/S
	Version 1, 15.10.2012, DL	Ibrugtagingsdato/ Godkendt af 7/12-18 / OL

4	<p>The knives/cutlery is suitable for contact with all types of food at the expected and foreseeable use.</p> <p>The knives/cutlery is designed for cooking, serving and eating foods at temperatures up to 100 °C.</p> <p>Representative samples of these, or similar articles, have been examined for compliance with the requirements of Section 3 and the articles in this lot are produced under similar conditions, using identical raw materials, from the same manufacturer.</p> <p>If the Danish Food Authorities so requests, Haahr &amp; Co. A/S will provide the necessary background documentation.</p>
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DALPER – CUTELARIAS E PRODUTOS DE MESA, S.A.  
Supplier name - Signature

06th December 2018  
Date



On behalf of Haahr & Co. A/S

Haahr & Co. Isenkram A/S  
Mådevej 20 - 6700 Esbjerg  
Tlf: 7512 8000  
www.haahr-co.dk

D. Langeballe  
Signature

7/12-18  
Date

## Test Report

**Customer:** Dalper - Cutelaria e Produtos de Mesa, SA

Rua de S. Martinho N 1 853  
4805-538 Sao Martinho Sande  
Portugal

**Contact Person:** Mr. Armando Silva

**Customer Reference:** Knife F420

**Report No.:** (25415)138-247744

**Report Version:** 1

**Date of Reception:** 29.04.2015

**Report Date:** 18.05.2015

**Date of Order:** 23.04.2015

**Sampled By:** client

## Sample Information

**Requirements:** Tested according to "Food contact" requirements

**Sample Description:** Knife - Stainless Steel AISI 420, col. bright

**Performance Date:** 04.05.2015 - 18.05.2015

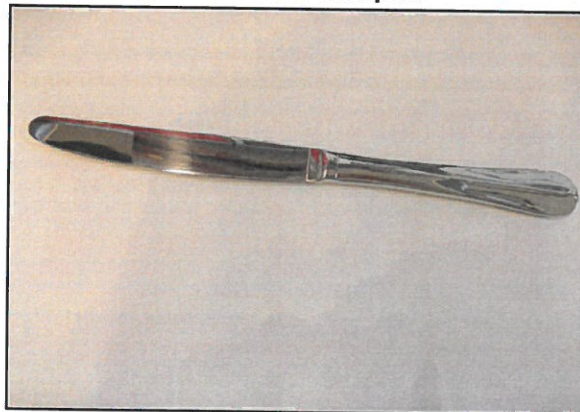
**No. of workdays:** 10

## Overall Rating

The test results of the analyzed samples /  
**PASS /**  
the Food contact requirements. /

## Submitted Samples

Nr. 1





3825-0

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**Summary of Test Results**  
Tested according to "Food contact" requirements

Tests required	Conclusion	Remark
Heavy metals, extractable	Pass	
Sensory test - change of odour and taste through direct contact, acidic and aqueous food - still water	Pass	

### Tested Samples

Article No	Sample ID	Sample description
	247744-01	1) Knife

### Test Results

Tested according to "Food contact" requirements

Sample Description:		Lab Reference No:	
1) Knife		247744-01	
<b>Test Method / Standard:</b> Sensory test - change of odour and taste through direct contact, acidic and aqueous food - still water: DIN 10955			
<b>Test Location:</b> Parameter has been analyzed at BVCPS laboratory Schwerin.			
Parameter	Limit	Result	Rating
Change of odour (grade)	≤ 2.5	0	Pass
Change of taste (Grade)	≤ 2.5	0	Pass
Test duration		2 hours	No Specification
Temperature		70°C	No Specification
<b>Test Method / Standard:</b> Heavy metals (23 elements): EDQM / COE Guideline: Metals and alloys used in food contact materials and articles			
<b>Test Location:</b> Parameter has been analyzed at BVCPS laboratory Schwerin.			
Parameter	Limit	Result	Rating
Envelope volume		375 cm <sup>3</sup>	No Specification
Lithium (Li) - 1. Migrate		<0.01 mg/kg	No Specification
Lithium (Li) - 2. Migrate		<0.01 mg/kg	No Specification
Lithium (Li) - Sum 1.+2. Migrate	≤ 0.336 mg/kg	<0.01 mg/kg	Pass
Lithium (Li) - 3. Migrate	≤ 0.048 mg/kg	<0.01 mg/kg	Pass
Beryllium (Be) - 1. Migrate		<0.001 mg/kg	No Specification
Beryllium (Be) - 2. Migrate		<0.001 mg/kg	No Specification
Beryllium (Be) - Sum 1.+2. Migrate	≤ 0.35 mg/kg	<0.001 mg/kg	Pass
Beryllium (Be) - 3. Migrate	≤ 0.05 mg/kg	<0.001 mg/kg	Pass
Magnesium (Mg) - 1. Migrate		<5 mg/kg	No Specification
Magnesium (Mg) - 2. Migrate		<5 mg/kg	No Specification
Magnesium (Mg) - Sum 1.+2. Migrate		<5 mg/kg	No Specification
Magnesium (Mg) - 3. Migrate		<5 mg/kg	No Specification
Aluminium (Al) - 1. Migrate		<0.1 mg/kg	No Specification
Aluminium (Al) - 2. Migrate		<0.1 mg/kg	No Specification
Aluminium (Al) - Sum 1.+2. Migrate	≤ 35 mg/kg	<0.1 mg/kg	Pass
Aluminium (Al) - 3. Migrate	≤ 5 mg/kg	<0.1 mg/kg	Pass
Titanium (Ti) - 1. Migrate		<0.5 mg/kg	No Specification
Titanium (Ti) - 2. Migrate		<0.5 mg/kg	No Specification
Titanium (Ti) - Sum 1.+2. Migrate		<0.5 mg/kg	No Specification
Titanium (Ti) - 3. Migrate		<0.5 mg/kg	No Specification
Vanadium (V) - 1. Migrate		<0.002 mg/kg	No Specification
Vanadium (V) - 2. Migrate		<0.002 mg/kg	No Specification
Vanadium (V) - Sum 1.+2. Migrate	≤ 0.35 mg/kg	<0.002 mg/kg	Pass
Vanadium (V) - 3. Migrate	≤ 0.05 mg/kg	<0.002 mg/kg	Pass
Chromium (Cr) - 1. Migrate		<0.1 mg/kg	No Specification
Chromium (Cr) - 2. Migrate		<0.1 mg/kg	No Specification
Chromium (Cr) - Sum 1.+2. Migrate	≤ 7.0 mg/kg	<0.1 mg/kg	Pass
Chromium (Cr) - 3. Migrate	≤ 1.0 mg/kg	<0.1 mg/kg	Pass
Manganese (Mn) - 1. Migrate		<0.1 mg/kg	No Specification
Manganese (Mn) - 2. Migrate		<0.1 mg/kg	No Specification
Manganese (Mn) - Sum 1.+2. Migrate	≤ 12.6 mg/kg	<0.1 mg/kg	Pass



**BUREAU  
VERITAS**



Deutsche  
Akkreditierungsstelle  
D-PL-12024-02-01

3825-0

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Sample Description:		1) Knife		Lab Reference No:	247744-01
Test Method / Standard:		Heavy metals (23 elements): EDQM / COE Guideline: Metals and alloys used in food contact materials and articles			
Test Location:		Parameter has been analyzed at BVGPS laboratory Schwerin.			
Parameter	Limit	Result	Rating		
Manganese (Mn) - 3. Migrate	≤ 1.8 mg/kg	<0.1 mg/kg	Pass		
Iron (Fe) - 1. Migrate		<5 mg/kg	No Specification		
Iron (Fe) - 2. Migrate		<5 mg/kg	No Specification		
Iron (Fe) - Sum 1.+2. Migrate	≤ 280 mg/kg	<5 mg/kg	Pass		
Iron (Fe) - 3. Migrate	≤ 40 mg/kg	<5 mg/kg	Pass		
Cobalt (Co) - 1. Migrate		<0.005 mg/kg	No Specification		
Cobalt (Co) - 2. Migrate		<0.005 mg/kg	No Specification		
Cobalt (Co) - Sum 1.+2. Migrate	≤ 0.7 mg/kg	<0.005 mg/kg	Pass		
Cobalt (Co) - 3. Migrate	≤ 0.1 mg/kg	<0.005 mg/kg	Pass		
Nickel (Ni) - 1. Migrate		<0.02 mg/kg	No Specification		
Nickel (Ni) - 2. Migrate		<0.02 mg/kg	No Specification		
Nickel (Ni) - Sum 1.+2. Migrate	≤ 4.9 mg/kg	<0.02 mg/kg	Pass		
Nickel (Ni) - 3. Migrate	≤ 0.7 mg/kg	<0.02 mg/kg	Pass		
Zinc (Zn) - 1. Migrate		<1 mg/kg	No Specification		
Zinc (Zn) - 2. Migrate		<1 mg/kg	No Specification		
Zinc (Zn) - Sum 1.+2. Migrate	≤ 35 mg/kg	<1 mg/kg	Pass		
Zinc (Zn) - 3. Migrate	≤ 5 mg/kg	<1 mg/kg	Pass		
Copper (Cu) - 1. Migrate		<0.5 mg/kg	No Specification		
Copper (Cu) - 2. Migrate		<0.5 mg/kg	No Specification		
Copper (Cu) - Sum 1.+2. Migrate	≤ 28 mg/kg	<0.5 mg/kg	Pass		
Copper (Cu) - 3. Migrate	≤ 4 mg/kg	<0.5 mg/kg	Pass		
Arsenic (As) - 1. Migrate		<0.001 mg/kg	No Specification		
Arsenic (As) - 2. Migrate		<0.001 mg/kg	No Specification		
Arsenic (As) - Sum 1.+2. Migrate	≤ 0.07 mg/kg	<0.001 mg/kg	Pass		
Arsenic (As) - 3. Migrate	≤ 0.01 mg/kg	<0.001 mg/kg	Pass		
Molybdenum (Mo) - 1. Migrate		<0.01 mg/kg	No Specification		
Molybdenum (Mo) - 2. Migrate		<0.01 mg/kg	No Specification		
Molybdenum (Mo) - Sum 1.+2. Migrate	≤ 4.2 mg/kg	<0.01 mg/kg	Pass		
Molybdenum (Mo) - 3. Migrate	≤ 0.6 mg/kg	<0.01 mg/kg	Pass		
Silver (Ag) - 1. Migrate		<0.01 mg/kg	No Specification		
Silver (Ag) - 2. Migrate		<0.01 mg/kg	No Specification		
Silver (Ag) - Sum 1.+2. Migrate	≤ 0.56 mg/kg	<0.01 mg/kg	Pass		
Silver (Ag) - 3. Migrate	≤ 0.08 mg/kg	<0.01 mg/kg	Pass		
Cadmium (Cd) - 1. Migrate		<0.001 mg/kg	No Specification		
Cadmium (Cd) - 2. Migrate		<0.001 mg/kg	No Specification		
Cadmium (Cd) - Sum 1.+2. Migrate	≤ 0.14 mg/kg	<0.001 mg/kg	Pass		
Cadmium (Cd) - 3. Migrate	≤ 0.02 mg/kg	<0.001 mg/kg	Pass		
Tin (Sn) - 1. Migrate		<5 mg/kg	No Specification		
Tin (Sn) - 2. Migrate		<5 mg/kg	No Specification		
Tin (Sn) - Sum 1.+2. Migrate	≤ 700 mg/kg	<5 mg/kg	Pass		
Tin (Sn) - 3. Migrate	≤ 100 mg/kg	<5 mg/kg	Pass		
Antimony (Sb) - 1. Migrate		<0.004 mg/kg	No Specification		
Antimony (Sb) - 2. Migrate		<0.004 mg/kg	No Specification		
Antimony (Sb) - Sum 1.+2. Migrate	≤ 1.4 mg/kg	<0.004 mg/kg	Pass		
Antimony (Sb) - 3. Migrate	≤ 0.2 mg/kg	<0.004 mg/kg	Pass		
Barium (Ba) - 1. Migrate		<0.1 mg/kg	No Specification		
Barium (Ba) - 2. Migrate		<0.1 mg/kg	No Specification		
Barium (Ba) - Sum 1.+2. Migrate	≤ 8.4 mg/kg	<0.1 mg/kg	Pass		

<b>Sample Description:</b>	1) Knife		<b>Lab Reference No:</b>	247744-01
<b>Test Method / Standard:</b>	Heavy metals (23 elements): EDQM / COE Guideline: Metals and alloys used in food contact materials and articles			
<b>Test Location:</b>	Parameter has been analyzed at BVCPS laboratory Schwerin.			
Parameter	Limit	Result	Rating	
Barium (Ba) - 3. Migrate	≤ 1.2 mg/kg	<0.1 mg/kg	Pass	
Mercury (Hg) - 1. Migrate		<0.0004 mg/kg	No Specification	
Mercury (Hg) - 2. Migrate		<0.0004 mg/kg	No Specification	
Mercury (Hg) - Sum 1.+2. Migrate	≤ 0.105 mg/kg	<0.0004 mg/kg	Pass	
Mercury (Hg) - 3. Migrate	≤ 0.015 mg/kg	<0.0004 mg/kg	Pass	
Thalium (Tl) - 1. Migrate		<0.00005 mg/kg	No Specification	
Thalium (Tl) - 2. Migrate		<0.00005 mg/kg	No Specification	
Thalium (Tl) - Sum 1.+2. Migrate	≤ 0.0035 mg/kg	<0.00005 mg/kg	Pass	
Thalium (Tl) - 3. Migrate	≤ 0.0005 mg/kg	<0.00005 mg/kg	Pass	
Lead (Pb) - 1. Migrate		<0.002 mg/kg	No Specification	
Lead (Pb) - 2. Migrate		<0.002 mg/kg	No Specification	
Lead (Pb) - Sum 1.+2. Migrate	≤ 0.28 mg/kg	<0.002 mg/kg	Pass	
Lead (Pb) - 3. Migrate	≤ 0.04 mg/kg	<0.002 mg/kg	Pass	
<b>Remark:</b>	migration 2 h at 70°C with 0.5% Citric acid Migration 2 Std. bei 70°C mit 0,5% Citronensäure			

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The testing of mixed samples is carried out at the customer's explicit request and may imply a deviation from the testing standard. Please note the following: results for mixed samples that are below the limit may exceed the limit if the samples contained in the mixed sample are tested individually. In these cases separate testing of the samples is recommended.

**Performance Date:** 04.05.2015 - 18.05.2015

**Total Run Time:** 10



Dr. Tim Lubinus  
Analytical Testing Specialist

**No results printed beyond this point in the report**

### Detailed Method Descriptions

<b>Analysis / Test:</b>	Sensory test - change of odour and taste through direct contact, acidic and aqueous food - still water
<b>Rating:</b>	0 = no observable deviation 1 = minor deviation 2 = small deviation 3 = clear deviation 4 = significant deviation





### Parameters & CAS No.

Heavy metals (23 elements)	(CAS No.)
Lithium (Li) - Sum 1.+2. Migrate	(17341-24-1)
Iron (Fe) - Sum 1.+2. Migrate	(7439-89-6)
Lead (Pb) - 1. Migrate	(7439-92-1)
Magnesium (Mg) - 1. Migrate	(7439-95-4)
Mercury (Hg) - 1. Migrate	(7439-97-6)
Molybdenum (Mo) - 1. Migrate	(7439-98-7)
Nickel (Ni) - 1. Migrate	(7440-02-0)
Silver (Ag) - 1. Migrate	(7440-22-4)
Tin (Sn) - 1. Migrate	(7440-31-5)
Titanium (Ti) - 1. Migrate	(7440-32-6)
Antimony (Sb) - 1. Migrate	(7440-36-0)
Arsenic (As) - 1. Migrate	(7440-38-2)
Barium (Ba) - 1. Migrate	(7440-39-3)
Beryllium (Be) - Sum 1.+2. Migrate	(7440-41-7)
Cadmium (Cd) - 1. Migrate	(7440-43-9)
Chromium (Cr) - Sum 1.+2. Migrate	(7440-47-3)
Cobalt (Co) - Sum 1.+2. Migrate	(7440-48-4)
Copper (Cu) - 1. Migrate	(7440-50-8)
Vanadium (V) - Sum 1.+2. Migrate	(7440-62-2)
Zinc (Zn) - 1. Migrate	(7440-66-6)
Manganese (Mn) - Sum 1.+2. Migrate	(8075-39-6)
Thalium (Tl) - 1. Migrate	(82870-81-3)
Aluminium (Al) - Sum 1.+2. Migrate	(91728-14-2)

## Test Report

**Customer:** Dalper - Cutelaria e Produtos de Mesa, SA

Rua de S. Martinho N 1 853  
4805-538 Sao Martinho Sande  
Portugal

**Contact Person:** Mr. Armando Silva

**Customer Reference:** Fork G430

**Report No.:** (25415)138-247117

**Report Version:** 1

**Date of Reception:** 29.04.2015

**Report Date:** 18.05.2015

**Date of Order:** 23.04.2015

**Sampled By:** client

### Sample Information

**Requirements:** Tested according to "Food contact" requirements

**Sample Description:** Fork - Stainless Steel AISI 430, col. bright

**Performance Date:** 04.05.2015 - 18.05.2015

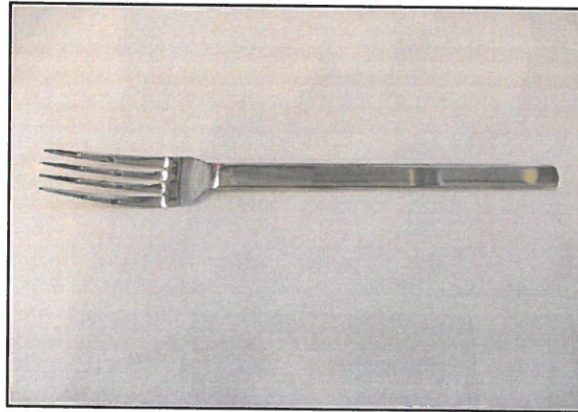
**No. of workdays:** 11

### Overall Rating

The test results of the analyzed samples /  
**PASS /**  
the Food contact requirements. /

### Submitted Samples

Nr. 1





3823-0

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**Summary of Test Results**  
Tested according to "Food contact" requirements

Tests required	Conclusion	Remark
Heavy metals, extractable	Pass	
Sensory test - change of odour and taste through direct contact, acidic and aqueous food - still water	Pass	

### Tested Samples

Article No	Sample ID	Sample description
	247117-01	1) Fork

### Test Results

Tested according to "Food contact" requirements

Sample Description:		1) Fork		Lab Reference No:	247117-01
Test Method / Standard:		Sensory test - change of odour and taste through direct contact, acidic and aqueous food - still water: DIN 10955			
Test Location:		Parameter has been analyzed at BVCPS laboratory Schwerin.			
Parameter	Limit	Result	Rating		
Change of odour (grade)	≤ 2.5	0	Pass		
Change of taste (Grade)	≤ 2.5	0	Pass		
Test duration		2 hours	No Specification		
Temperature		70°C	No Specification		
Test Method / Standard:		Heavy metals (23 elements): EDQM / COE Guideline: Metals and alloys used in food contact materials and articles			
Test Location:		Parameter has been analyzed at BVCPS laboratory Schwerin.			
Parameter	Limit	Result	Rating		
Envelope volume		250 cm <sup>3</sup>	No Specification		
Lithium (Li) - 1. Migrate		<0.01 mg/kg	No Specification		
Lithium (Li) - 2. Migrate		<0.01 mg/kg	No Specification		
Lithium (Li) - Sum 1.+2. Migrate	≤ 0.336 mg/kg	<0.01 mg/kg	Pass		
Lithium (Li) - 3. Migrate	≤ 0.048 mg/kg	<0.01 mg/kg	Pass		
Beryllium (Be) - 1. Migrate		<0.001 mg/kg	No Specification		
Beryllium (Be) - 2. Migrate		<0.001 mg/kg	No Specification		
Beryllium (Be) - Sum 1.+2. Migrate	≤ 0.35 mg/kg	<0.001 mg/kg	Pass		
Beryllium (Be) - 3. Migrate	≤ 0.05 mg/kg	<0.001 mg/kg	Pass		
Magnesium (Mg) - 1. Migrate		<5 mg/kg	No Specification		
Magnesium (Mg) - 2. Migrate		<5 mg/kg	No Specification		
Magnesium (Mg) - Sum 1.+2. Migrate		<5 mg/kg	No Specification		
Magnesium (Mg) - 3. Migrate		<5 mg/kg	No Specification		
Aluminium (Al) - 1. Migrate		<0.1 mg/kg	No Specification		
Aluminium (Al) - 2. Migrate		<0.1 mg/kg	No Specification		
Aluminium (Al) - Sum 1.+2. Migrate	≤ 35 mg/kg	<0.1 mg/kg	Pass		
Aluminium (Al) - 3. Migrate	≤ 5 mg/kg	<0.1 mg/kg	Pass		
Titanium (Ti) - 1. Migrate		<0.5 mg/kg	No Specification		
Titanium (Ti) - 2. Migrate		<0.5 mg/kg	No Specification		
Titanium (Ti) - Sum 1.+2. Migrate		<0.5 mg/kg	No Specification		
Titanium (Ti) - 3. Migrate		<0.5 mg/kg	No Specification		
Vanadium (V) - 1. Migrate		<0.002 mg/kg	No Specification		
Vanadium (V) - 2. Migrate		<0.002 mg/kg	No Specification		
Vanadium (V) - Sum 1.+2. Migrate	≤ 0.35 mg/kg	<0.002 mg/kg	Pass		
Vanadium (V) - 3. Migrate	≤ 0.05 mg/kg	<0.002 mg/kg	Pass		
Chromium (Cr) - 1. Migrate		<0.1 mg/kg	No Specification		
Chromium (Cr) - 2. Migrate		<0.1 mg/kg	No Specification		
Chromium (Cr) - Sum 1.+2. Migrate	≤ 7.0 mg/kg	<0.1 mg/kg	Pass		
Chromium (Cr) - 3. Migrate	≤ 1.0 mg/kg	<0.1 mg/kg	Pass		
Manganese (Mn) - 1. Migrate		<0.1 mg/kg	No Specification		
Manganese (Mn) - 2. Migrate		<0.1 mg/kg	No Specification		
Manganese (Mn) - Sum 1.+2. Migrate	≤ 12.6 mg/kg	<0.1 mg/kg	Pass		

<b>Sample Description:</b> 1) Fork		<b>Lab Reference No:</b> 247117-01	
<b>Test Method / Standard:</b> Heavy metals (23 elements): EDQM / COE Guideline: Metals and alloys used in food contact materials and articles			
<b>Test Location:</b> Parameter has been analyzed at BVCPS laboratory Schwerin.			
<b>Parameter</b>	<b>Limit</b>	<b>Result</b>	<b>Rating</b>
Manganese (Mn) - 3. Migrate	≤ 1.8 mg/kg	<0.1 mg/kg	Pass
Iron (Fe) - 1. Migrate		<5 mg/kg	No Specification
Iron (Fe) - 2. Migrate		<5 mg/kg	No Specification
Iron (Fe) - Sum 1.+2. Migrate	≤ 280 mg/kg	<5 mg/kg	Pass
Iron (Fe) - 3. Migrate	≤ 40 mg/kg	<5 mg/kg	Pass
Cobalt (Co) - 1. Migrate		<0.005 mg/kg	No Specification
Cobalt (Co) - 2. Migrate		<0.005 mg/kg	No Specification
Cobalt (Co) - Sum 1.+2. Migrate	≤ 0.7 mg/kg	<0.005 mg/kg	Pass
Cobalt (Co) - 3. Migrate	≤ 0.1 mg/kg	<0.005 mg/kg	Pass
Nickel (Ni) - 1. Migrate		<0.02 mg/kg	No Specification
Nickel (Ni) - 2. Migrate		<0.02 mg/kg	No Specification
Nickel (Ni) - Sum 1.+2. Migrate	≤ 4.9 mg/kg	<0.02 mg/kg	Pass
Nickel (Ni) - 3. Migrate	≤ 0.7 mg/kg	<0.02 mg/kg	Pass
Zinc (Zn) - 1. Migrate		<1 mg/kg	No Specification
Zinc (Zn) - 2. Migrate		<1 mg/kg	No Specification
Zinc (Zn) - Sum 1.+2. Migrate	≤ 35 mg/kg	<1 mg/kg	Pass
Zinc (Zn) - 3. Migrate	≤ 5 mg/kg	<1 mg/kg	Pass
Copper (Cu) - 1. Migrate		<0.5 mg/kg	No Specification
Copper (Cu) - 2. Migrate		<0.5 mg/kg	No Specification
Copper (Cu) - Sum 1.+2. Migrate	≤ 28 mg/kg	<0.5 mg/kg	Pass
Copper (Cu) - 3. Migrate	≤ 4 mg/kg	<0.5 mg/kg	Pass
Arsenic (As) - 1. Migrate		<0.001 mg/kg	No Specification
Arsenic (As) - 2. Migrate		<0.001 mg/kg	No Specification
Arsenic (As) - Sum 1.+2. Migrate	≤ 0.07 mg/kg	<0.001 mg/kg	Pass
Arsenic (As) - 3. Migrate	≤ 0.01 mg/kg	<0.001 mg/kg	Pass
Molybdenum (Mo) - 1. Migrate		<0.01 mg/kg	No Specification
Molybdenum (Mo) - 2. Migrate		<0.01 mg/kg	No Specification
Molybdenum (Mo) - Sum 1.+2. Migrate	≤ 4.2 mg/kg	<0.01 mg/kg	Pass
Molybdenum (Mo) - 3. Migrate	≤ 0.6 mg/kg	<0.01 mg/kg	Pass
Silver (Ag) - 1. Migrate		<0.01 mg/kg	No Specification
Silver (Ag) - 2. Migrate		<0.01 mg/kg	No Specification
Silver (Ag) - Sum 1.+2. Migrate	≤ 0.56 mg/kg	<0.01 mg/kg	Pass
Silver (Ag) - 3. Migrate	≤ 0.08 mg/kg	<0.01 mg/kg	Pass
Cadmium (Cd) - 1. Migrate		<0.001 mg/kg	No Specification
Cadmium (Cd) - 2. Migrate		<0.001 mg/kg	No Specification
Cadmium (Cd) - Sum 1.+2. Migrate	≤ 0.14 mg/kg	<0.001 mg/kg	Pass
Cadmium (Cd) - 3. Migrate	≤ 0.02 mg/kg	<0.001 mg/kg	Pass
Tin (Sn) - 1. Migrate		<5 mg/kg	No Specification
Tin (Sn) - 2. Migrate		<5 mg/kg	No Specification
Tin (Sn) - Sum 1.+2. Migrate	≤ 700 mg/kg	<5 mg/kg	Pass
Tin (Sn) - 3. Migrate	≤ 100 mg/kg	<5 mg/kg	Pass
Antimony (Sb) - 1. Migrate		<0.004 mg/kg	No Specification
Antimony (Sb) - 2. Migrate		<0.004 mg/kg	No Specification
Antimony (Sb) - Sum 1.+2. Migrate	≤ 1.4 mg/kg	<0.004 mg/kg	Pass
Antimony (Sb) - 3. Migrate	≤ 0.2 mg/kg	<0.004 mg/kg	Pass
Barium (Ba) - 1. Migrate		<0.1 mg/kg	No Specification
Barium (Ba) - 2. Migrate		<0.1 mg/kg	No Specification
Barium (Ba) - Sum 1.+2. Migrate	≤ 8.4 mg/kg	<0.1 mg/kg	Pass



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D-PL-12024-02-01

3823-0

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<b>Sample Description:</b> 1) Fork		<b>Lab Reference No:</b> 247117-01	
<b>Test Method / Standard:</b> Heavy metals (23 elements): EDQM / COE Guideline: Metals and alloys used in food contact materials and articles			
<b>Test Location:</b> Parameter has been analyzed at BVCPS laboratory Schwerin.			
Parameter	Limit	Result	Rating
Barium (Ba) - 3. Migrate	≤ 1.2 mg/kg	<0.1 mg/kg	Pass
Mercury (Hg) - 1. Migrate		<0.0004 mg/kg	No Specification
Mercury (Hg) - 2. Migrate		<0.0004 mg/kg	No Specification
Mercury (Hg) - Sum 1.+2. Migrate	≤ 0.105 mg/kg	<0.0004 mg/kg	Pass
Mercury (Hg) - 3. Migrate	≤ 0.015 mg/kg	<0.0004 mg/kg	Pass
Thalium (Tl) - 1. Migrate		<0.00005 mg/kg	No Specification
Thalium (Tl) - 2. Migrate		<0.00005 mg/kg	No Specification
Thalium (Tl) - Sum 1.+2. Migrate	≤ 0.0035 mg/kg	<0.00005 mg/kg	Pass
Thalium (Tl) - 3. Migrate	≤ 0.0005 mg/kg	<0.00005 mg/kg	Pass
Lead (Pb) - 1. Migrate		<0.002 mg/kg	No Specification
Lead (Pb) - 2. Migrate		<0.002 mg/kg	No Specification
Lead (Pb) - Sum 1.+2. Migrate	≤ 0.28 mg/kg	<0.002 mg/kg	Pass
Lead (Pb) - 3. Migrate	≤ 0.04 mg/kg	<0.002 mg/kg	Pass
<b>Remark:</b> migration 2 h at 70°C with 0.5% Citric acid Migration 2 Std. bei 70°C mit 0,5% Citronensäure			

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The testing of mixed samples is carried out at the customer's explicit request and may imply a deviation from the testing standard. Please note the following: results for mixed samples that are below the limit may exceed the limit if the samples contained in the mixed sample are tested individually. In these cases separate testing of the samples is recommended.

**Performance Date:** 04.05.2015 - 18.05.2015

**Total Run Time:** 11

Dr. Tim Lubinus  
Analytical Testing Specialist

**No results printed beyond this point in the report**

### Detailed Method Descriptions

<b>Analysis / Test:</b>	Sensory test - change of odour and taste through direct contact, acidic and aqueous food - still water
<b>Rating:</b>	
0 = no observable deviation	
1 = minor deviation	
2 = small deviation	
3 = clear deviation	
4 = significant deviation	



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D-PL-12024-02-01

3823-0

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Heavy metals (23 elements)	Parameters & CAS No. (CAS No.)
Lithium (Li) - 1. Migrate	(17341-24-1)
Iron (Fe) - 1. Migrate	(7439-89-6)
Lead (Pb) - 1. Migrate	(7439-92-1)
Magnesium (Mg) - 1. Migrate	(7439-95-4)
Mercury (Hg) - 1. Migrate	(7439-97-6)
Molybdenum (Mo) - 1. Migrate	(7439-98-7)
Nickel (Ni) - 1. Migrate	(7440-02-0)
Silver (Ag) - 1. Migrate	(7440-22-4)
Tin (Sn) - 1. Migrate	(7440-31-5)
Titanium (Ti) - 1. Migrate	(7440-32-6)
Antimony (Sb) - 1. Migrate	(7440-36-0)
Arsenic (As) - 1. Migrate	(7440-38-2)
Barium (Ba) - 1. Migrate	(7440-39-3)
Beryllium (Be) - 1. Migrate	(7440-41-7)
Cadmium (Cd) - 1. Migrate	(7440-43-9)
Chromium (Cr) - 1. Migrate	(7440-47-3)
Cobalt (Co) - 1. Migrate	(7440-48-4)
Copper (Cu) - 1. Migrate	(7440-50-8)
Vanadium (V) - 1. Migrate	(7440-62-2)
Zinc (Zn) - 1. Migrate	(7440-66-6)
Manganese (Mn) - 1. Migrate	(8075-39-6)
Thalium (Tl) - 1. Migrate	(82870-81-3)
Aluminium (Al) - 1. Migrate	(91728-14-2)

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Azienda con sistemi di gestione certificati da  
ISO secondo ISO 9001, ISO/TS 16949 e ISO  
14001

CERTIFICATO DI COLLAUDO 3.1 (EN 10204:2004)  
NUMERO DEL DOCUMENTO 2017042115  
PAGINA 1/1

COMMITTENTE:

ORDINE DEL CLIENTE:  
STABILIMENTO PRODUTTORE:  
REDATTORE DEL DOCUMENTO:

CONFERMA D'ORDINE DEL PRODUTTORE: 25217944 /30 SIGLA STABILIMENTO PRODUTTORE: COGNE  
I PRODOTTI CERTIFICATI SONO CONFORMI ALL'ORDINE DI ACQUISTO

DALPER CUTELERIA E PRODUTOS MESA SA  
FEC-16-00792  
AOSTA, VIA PARAVERA 16 - ITALIA  
SERVIZIO QUALITA'

SPECIFICA INTERNA:

PRODOTTO: COGNECOLTELL  
FINITURA SUPERFICIALE: LAM Laminati TON.ROT. TOLLERANZA: + 0,200 - 0,200  
STATO DI FORNITURA: RG Ricotto Globulare  
DIMENSIONI DEL PRODOTTO (MM): 10,000  
QUALITA' ACCIAIO: 772689  
IDENTIFICAZIONE N. DI COLATA: MARCA INTERNA: 420A 1  
MARCATURA DEL PRODOTTO: IDENTIFICAZIONE N. DI SCHEDA: 245190

FABBRICAZIONE AL FORNO ELETTRICO + AOD + COLATA CONTINUA

COMP. CHIM. (%W/W) - ANALISI DI COLATA SECONDO ASTM E1019-A751-E1086-E415-A580  
Lotto controllo - Peso: 020000691396 -  
ELEMENTI C 0,19 S1 0,35 Mn 0,41 P 0,024 S 0,0020 Al 0,004 Cr 13,24

PROVA DI TRAZIONE ALLO STATO DI FORNITURA

Lotto controllo - Peso: 020000693854 -  
NORMA EN-ISO6892-1 3.933 KG

UNITA' DI MISURA  
OTTENUTO

ORIENTAMENTO DELLE PROVETTE: L

MATERIALE ESENTE DA CONTAMINAZIONE DI MERCURIO

LA FORNITURA E' CONFORME ALLE PRESCRIZIONI CONTRATTUALI

E' STATA EFFETTUATA LA PROVA ANTIMISCUGLIO.

IL MATERIALE E' CONFORME ALLA DIRETTIVE CE: 2011/65 (ROHS2) - 2000/53 - 2002/95 (ROHS) - 2003/11 - 2005/618

MATERIALE PRODOTTO IN UN SISTEMA DI G.D.Q. IN ACCORDO CON LE NORME UNI EN ISO 9001:2008 E ISO/TS 16949:2009 (QUEST'ULTIMA SOLO PER BARRE IN ACCIAIO LAMINATE-PELATE-RETTIFICATE E POLVERI METALLICHE ATOMIZZATE) DESCRITTO IN UN MANUALE SGQA ED.16 REV.0, CERTIFICATO DA I.G.Q.



**INOX**  
**OPA**  
 S.A. DEL CAMPO DE  
 PALMONES (LOS BARRIOS)  
 TEND. (34) - 956 62 93 00  
 FAX (34) - 956 62 93 11  
 P.O. BOX 83  
 11370 LOS BARRIOS (CADIZ)



ACCORDING TO EN 10204  
 CONFORME

CERTIFICATE N° 51 2016 4983 90001 \*  
 N° CERTIFICADO

3.1

<b>CUSTOMER</b> VOSSO PED	<b>OUR ORDER N°</b> CLIENTES	<b>YOUR ORDER N°</b> VOSSO PEDIDO
MERCADONX - COMPONENTES INDUSTRIALES, LDA (S.TIRSO) ROA A. N° 305 ZONA INDUSTRIAL DE FONTISCO 4780-683 BAITO TIRSO	SL 14950	DR. ROGÉRIO NEVES
<b>TRADE MARK</b> SELO DO FABRICANTE	<b>INSPECTOR'S STAMP</b> SELO DO INSPECTOR	<b>STEELMAKING PROCESS</b> PROCESSO DE FUNDIÇÃO
A.D.D.		

REQUIREMENTS REQUISITOS	INTERGRANULAR CORROSION CORROSÃO INTERGRANULAR	GRADE MATERIAL	FINISH ACABAMENTO
EN 10088-2:2005 ASTM A240E114A480E14e-ASME Sec.III SA240ISA480E13		Ass 500 AISI 430 Act 500 1,4018 Act 500 TP-430	N4-8400 26 N4-8400

COIL / BOX BOBINA/CAIXA	CONTENT CONT	DIMENSIONS DIMENSÕES			MARKS CÓDIGO	QUANTITY QTD	TEST N° QUANTIDADE PROBE	
		THICKNESS ES	WIDTH LARGURA	LENGTH ARGURA				
CB994T CB994X	02J4CA BB	2,000	1250,00	2500,00	13	23	02J4CA	C
	02J4CA BB	2,000	1250,00	2500,00	14	23	02J4CA	C

CHEMICAL ANALYSIS / COMPOSIÇÃO QUÍMICA (%)									
HEAT N° VAZAMENTO	C	CR	MN	NI	P	S	SI		
J4CA	0,023	16,685	0,343	0,240	0,023	0,002	0,508		

MECHANICAL PROPERTIES / CARACTERÍSTICAS MECÂNICAS							
TEST N° PROBE	THICKNESS ES	Rm N/mm2	Rp 0.2 N/mm2	A50 %	A80 %	HV10	
02J4CA	C.T	502,88	333,69	24,53	20,53	149,00	

<b>REMARKS / OBSERVAÇÕES</b> The delivery is in accordance with the order	<b>SURFACE AND DIMENSIONAL CONTROL</b> INSPEÇÃO SUPERFICIAL E DIMENSIONAL
	SATISFACTORY SATISFATÓRIO
	<b>WORK INSPECTOR</b> INSPECTOR
	<i>A. Heredia</i> A. Heredia
	Palmones, 22 NOVIEMBRE 2016