

## TEST REPORT SR 1603/16

**Client:** Calçados Ramarim Ltda.  
**Address:** Angra dos Reis Street, 171, Nova Hartz – RS – Brazil.

**Sample description:** One (01) sample of black coloured leather.  
**Client identification:** “Napa Semi Anelina Cor: Black”.

**Application:** 29914  
**Date of entry:** 06/21/2016  
**Date of the test:** 06/29 until 06/30/2016.



### TESTS AND RESULTS:

Test	Results (ppm)	Orientation (USA – 16 CRF 1303/2016)
Determination of total lead in non-metal products (CPSC-CH-E1002/08.03)*	< LQ	Maximum: 100 ppm

\* This test is accredited by SATRA.

#### Observations:

- ppm (parts per million) = mg/kg
- LQ = Quantification Limit = Lead (Pb): 0,13082 ppm

#### Considerations:

Sampling was carried by client.

With no further information for the time being, we now issue the present report.

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Novo Hamburgo, June 30, 2016.

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93334-000  
Novo Hamburgo  
Rio Grande do Sul, Brasil

## TEST REPORT SR 1603/16



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Technical Analyst  
Caroline Sebolt Endres - Chemical technician  
CRQ 05101116 - 5ª Region



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Test Supervisor  
Janiela Cristina Klein Gamarra - Chemical technician  
CRQ 05406114 - 5ª Region

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93334-000  
Novo Hamburgo  
Rio Grande do Sul, Brasil

## TEST REPORT SR 1220/16

**Client:** Calçados Ramarim Ltda.

**Address:** Angra dos Reis Street, 171, Nova Hartz – RS - Brazil.

**Sample description:** One (01) sample of brown coloured leather.

**Client identification:** “Amostra 2B – Camel”.

**Application:** 29178

**Date of entry:** 04/26/2016

**Date of the test:** 05/10/2016.



### TESTS AND RESULTS:

Test	Results (ppm)	Orientation (according regulation USA)
Determination of total lead in non-metal products (CPSC-CH-E1002/08)*	<b>Pb: 1287,56</b> <b>Cd: &lt; LQ</b>	Maximum: 100 ppm

\* This test is accredited by SATRA.

### Observations:

- ppm (parts per million) = mg/kg

- LQ = Quantification Limit = Lead (Pb): 0,13082 ppm; Cadmium (Cd): 0,02597 ppm

### Deviation:

This standard is used for determining lead, but the customer's request, the test was realized for determination of the cadmium in this material.

### Considerations:

Sampling was carried by client.

With no further information for the time being, we now issue the present report.

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Novo Hamburgo, May 13, 2016.

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Rio Grande do Sul, Brasil

## TEST REPORT SR 1220/16



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Technical Analyst  
Caroline Sebolt Endres - Chemical technician  
CRQ 05101116 - 5ª Region



---

Test Supervisor  
Janiela Cristina Klein Gamarra - Chemical technician  
CRQ 05406114 - 5ª Region

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Inscrição Estadual: 086/0422534

Rua Araxá, 750  
Bairro Ideal  
93334-000  
Novo Hamburgo  
Rio Grande do Sul, Brasil

## TEST REPORT SR 1215/16

**Client:** Calçados Ramarim Ltda.  
**Address:** Angra dos Reis Street, 171, Nova Hartz – RS - Brazil.

**Sample description:** One (01) sample of metallic orange coloured leather.  
**Client identification:** “Amostra 1A – N Veja Metal Copper”.

**Application:** 29178  
**Date of entry:** 04/26/2016  
**Date of the test:** 05/03 until 05/11/2016.



### TESTS AND RESULTS:

Test	Results (ppm)	Orientation (according European Union)
Determination of chromium (VI) content  (ISO 17075/07)*	<LQ	Maximum: 3 ppm

#### Observations:

- ppm (parts per million) = mg/kg
- LQ – Quantification limit = 3,00 ppm
- Volatile Matter: 15,8%

#### Deviations:

- For the test, is used ultrapure water;
- Not measure the gas flow.

Test	Results (ppm)	Orientation (according European Union)
Determination of certain aromatic amines derived from azo colorants  (ISO 17234-1/15)*	< LQ	Maximum 30 ppm

**Amines analyzed: Azo dyes can release by cleavage of their azo group, one or more of the amines listed:** o-toluidine; 2-methoxyaniline; 4-Chloroaniline; p-cresidine; 2,4,5-trimethylamine; 4-chloro-2-methylaniline; 2,4 diaminotolueno; 4-methoxy-m-phenylenediamine; 2-naphtylamine; 5-nitro-o-toluene; 4-aminobifenil; 4- amino azobenzeno; 4,4-oxydianiline; benzidine; 4,4-methylenedianiline; o-aminoazotolueno; 4,4-methylenedi-o-toluidine; 3,3-dimethyl-benzidine; 4,4-thiodianiline; 3,3-dichloro-benzidine; 3,3-dimethoxy-benzidine; 4,4-methylenebis-2-chloro-aniline; 2-4-xylydine; 2-6-xylydine.

**Observation:** ppm (parts per million) = mg/kg  
- LQ = Quantification Limit for amines: 30 ppm.

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93334-000  
Novo Hamburgo  
Rio Grande do Sul, Brasil

## TEST REPORT SR 1215/16

Test	Results (ppm)	Orientation (according European Union)
Chemical determination of formaldehyde content – Part 1: Method using HPLC  (ISO 17226-1/08)*	40,9	Maximum: 150 ppm

### Observation:

- ppm (parts per million) = mg/kg
- LQ - Quantification Limit: 1,31291 ppm.

Test	Results (ppm)		Orientation (according European Union)
Determination of pentachlorophenol content  (ISO 17070/06)*	TCP	< LQ	Maximum: 5 ppm
	TECP	< LQ	
	PCP	< LQ	

### Phenols Analyzed / LQ (ppm):

2,4,6 - Trichlorophenol (TCP)	LQ: 0,09389
2,3,4,6 – Tetrachlorophenol (TECP)	LQ: 0,10614
Pentachlorophenol (PCP)	LQ: 0,08543

Test	Results		Orientation (according European Union)
	Compost Detected	Results (ppm)	
Determination of compost organic tin content  (ISO 17353/2004)**	< MQL	< MQL	TBT: 25ppb; Others: 50ppb

**Compost Analyzed:** Tributyl tin (TBT), Triphenyl tin (TPhT), Amount of TBT e TPhT; Amount of TeBT, DOT, MOT, TCyT e TPhT, Di-n-Octyl tin (DOT), Di butyl tin (DBT) (Product for > 36 months), Triciclohexil tin (TCyT), Trioctyl tin (TOT), monobutyl tin (MBT), tetrabutyl tin (TeBT), Monobutyl tin (MOT), Tri butyl tin oxide (TBTO), Methyl tin (TEM), Di-n-propyl tin (DProT), Diphenyl tin ( DPhT), Tetrabutyl tin (TTBT), Tri-n-propyl tin (TPrT).

### Observation:

- MQL = Method Quantification Limit: 0,010 ppm

**\*\* This test has been outsourced:**

**Enterprise:** SGS do Brasil Ltda.  
**Address:** Av. Andrômeda, 832, Barueri – SP.  
**Document:** BR1602557  
**Date:** 05/12/2016.

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 93334-000  
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 Rio Grande do Sul, Brasil

## TEST REPORT SR 1215/16

\* This test is accredited by SATRA.

**Considerations:**

Sampling was carried by client.

With no further information for the time being, we now issue the present report.

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Novo Hamburgo, May 13, 2016.

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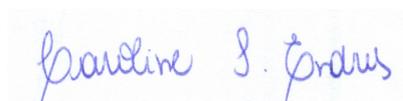
## TEST REPORT SR 1215/16



Technical Analyst  
Adriana Maria Federhen Specht - Chemical technician  
CRQ 05405251 - 5ª Region

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Technical Analyst  
Caroline Sebolt Endres - Chemical technician  
CRQ 05101116 - 5ª Region



Technical Analyst  
Michele Caroline Ferreira da Silva - Chemical technician  
LP 00009963 - 5ª Region



Test Supervisor  
Janiela Cristina Klein Gamarra - Chemical technician  
CRQ 05406114 - 5ª Region

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## TEST REPORT SR 1394/16

**This Test Report cancels and replaces the Test Report SR1186/16 from 05/12/2016.**

**Client:** V. Fair Trade Comércio Exportação de Calçados Acessórios.

**Address:** Central Street, 332, Campo Bom – RS – Brazil.

**Sample description:**

1 - One (01) sample of white coloured leather.

**Client identification:** "Reference: TA021396 Leather Upper: Extra White".

2 - One (01) sample of metallic yellow coloured leather.

**Client identification:** "Reference: TA01397 Leather Upper: Gold".

3 - One (01) sample of metallic grey coloured leather.

**Client identification:** "Reference: TA021399 Leather Upper: Silver".

4 - One (01) sample of black and white coloured textile material.

**Client identification:** "Reference: TA041398 Flannel Upper: Grafite".

5 - One (01) sample of beige coloured textile material.

**Client identification:** "References: TA021396, TA01397, TA021399, TA041398, Lining and Sock Lining Cru".



**Application:** 29635

**Date of entry:** 06/01/2016

**Date of the test:** 05/09 until 05/12/2016.

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Novo Hamburgo  
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## TEST REPORT SR 1394/16

### TESTS AND RESULTS:

Test	Sample	Results (ppm)	Orientation (according European Union)
Determination of certain aromatic amines derived from azo colorants  (ISO 17234-1/15)*	1	< LQ	Maximum 30 ppm
	2	< LQ	
	3	< LQ	
Determination of certain aromatic amines derived from azo colorants with and without extraction  (BS EN 14362-1/12)	4	< LQ	
	5	< LQ	

**Amines analyzed: Azo dyes can release by cleavage of their azo group, one or more of the amines listed:** o-toluidine; 2-methoxyaniline; 4-Chloroaniline; p-cresidine; 2,4,5-trimethylamine; 4-chloro-2-methylaniline; 2,4 diaminotolueno; 4-methoxy-m-phenylenediamine; 2-naphtylamine; 5-nitro-o-toluene; 4-aminobifenil; 4- amino azobenzeno; 4,4-oxydianiline; benzidine; 4,4-methylenedianiline; o-aminoazotolueno; 4,4-methylenedi-o-toluidine; 3,3-dimethyl-benzidine; 4,4-thiodianiline; 3,3-dichloro-benzidine; 3,3-dimethoxy-benzidine; 4,4-methylenebis-2-chloro-aniline; 2-4-xylidine; 2-6-xylidine.

**Observation:** - LQ = Quantification Limit for amines: 30 ppm.

Test	Sample	Results (ppm)	Orientation (according European Union)
Determination of chromium (VI) content  (ISO 17075/07)*	1	< LQ	Maximum: 3 ppm
	2	< LQ	
	3	< LQ	

### Observations:

- ppm (parts per million) = mg/kg
- LQ – Quantification limit = 3,00 ppm
- Volatile Matter: 1: 13,0%; 2: 15,6%; 3: 15,31%

### Deviations:

- For the test, is used ultrapure water;
- Not measure the gas flow.

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## TEST REPORT SR 1394/16

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**Considerations:**

Sampling was carried by client.

With no further information for the time being, we now issue the present report.

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Novo Hamburgo, June 01, 2016.

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Bairro Ideal  
93334-000  
Novo Hamburgo  
Rio Grande do Sul, Brasil

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Technical Analyst  
Caroline Sebolt Endres - Chemical technician  
CRQ 05101116 - 5ª Region



---

Technical Analyst  
Michele Caroline Ferreira da Silva - Chemical technician  
LP 00009963 - 5ª Region



---

Test Supervisor  
Janiela Cristina Klein Gamarra - Chemical Industrial  
CRQ 05406114 - 5ª Region

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Bairro Ideal  
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## TEST REPORT SR 1217/16

**Client:** Calçados Ramarim Ltda.  
**Address:** Angra dos Reis Street, 171, Nova Hartz – RS - Brazil.

**Sample description:** One (01) sample of red coloured leather.  
**Client identification:** “Amostra 1C – Tilapia Zarmim”.

**Application:** 29178  
**Date of entry:** 04/26/2016  
**Date of the test:** 05/03 until 05/11/2016.



### TESTS AND RESULTS:

Test	Results (ppm)	Orientation (according European Union)
Determination of chromium (VI) content  (ISO 17075/07)*	<LQ	Maximum: 3 ppm

### Observations:

- ppm (parts per million) = mg/kg
- LQ – Quantification limit = 3,00 ppm
- Volatile Matter: 10,0%
- Recovery rate: 58,8% (Recovery rates of less than 80% may be an indication that the matrix contains reducing agents, these can interfere with the result).

### Deviations:

- For the test, is used ultrapure water;
- Not measure the gas flow.

Test	Results (ppm)	Orientation (according European Union)
Determination of certain aromatic amines derived from azo colorants  (ISO 17234-1/15)*	< LQ	Maximum 30 ppm

**Amines analyzed: Azo dyes can release by cleavage of their azo group, one or more of the amines listed:** o-toluidine; 2-methoxyaniline; 4-Chloroaniline; p-cresidine; 2,4,5-trimethylamine; 4-chloro-2-methylaniline; 2,4 diaminotolueno; 4-methoxy-m-phenylenediamine; 2-naphtylamine; 5-nitro-o-toluene; 4-aminobifenil; 4- amino azobenzeno; 4,4-oxydianiline; benzidine; 4,4-methylenedianiline; o-aminoazotolueno; 4,4-methylenedi-o-toluidine; 3,3-dimethyl-benzidine; 4,4-thiodianiline; 3,3-dichloro-benzidine; 3,3-dimethoxy-benzidine; 4,4-methylenebis-2-chloro-aniline; 2-4-xylydine; 2-6-xylydine.

**Observation:** ppm (parts per million) = mg/kg  
- LQ = Quantification Limit for amines: 30 ppm.

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## TEST REPORT SR 1217/16

Test	Results (ppm)	Orientation (according European Union)
Chemical determination of formaldehyde content – Part 1: Method using HPLC  (ISO 17226-1/08)*	< LQ	Maximum: 150 ppm

### Observation:

- ppm (parts per million) = mg/kg
- LQ - Quantification Limit: 1,31291 ppm.

Test	Results (ppm)		Orientation (according European Union)
Determination of pentachlorophenol content  (ISO 17070/06)*	TCP	< LQ	Maximum: 5 ppm
	TECP	< LQ	
	PCP	< LQ	

### Phenols Analyzed / LQ (ppm):

2,4,6 - Trichlorophenol (TCP)	LQ: 0,09389
2,3,4,6 – Tetrachlorophenol (TECP)	LQ: 0,10614
Pentachlorophenol (PCP)	LQ: 0,08543

Test	Results		Orientation (according European Union)
	Compost Detected	Results (ppm)	
Determination of compost organic tin content  (ISO 17353/2004)**	< MQL	< MQL	TBT: 25ppb; Others: 50ppb

**Compost Analyzed:** Tributyl tin (TBT), Triphenyl tin (TPhT), Amount of TBT e TPhT; Amount of TeBT, DOT, MOT, TCyT e TPhT, Di-n-Octyl tin (DOT), Di butyl tin (DBT) (Product for > 36 months), Triciclohexil tin (TCyT), Trioctyl tin (TOT), monobutyl tin (MBT), tetrabutyl tin (TeBT), Monobutyl tin (MOT), Tri butyl tin oxide (TBTO), Methyl tin (TEM), Di-n-propyl tin (DProT), Diphenyl tin ( DPhT), Tetrabutyl tin (TTBT), Tri-n-propyl tin (TPrT).

### Observation:

- MQL = Method Quantification Limit: 0,010 ppm

**\*\* This test has been outsourced:**

**Enterprise:** SGS do Brasil Ltda.  
**Address:** Av. Andrômeda, 832, Barueri – SP.  
**Document:** BR1602558  
**Date:** 05/12/2016.

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 93334-000  
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 Rio Grande do Sul, Brasil

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**Considerations:**

Sampling was carried by client.

With no further information for the time being, we now issue the present report.

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Novo Hamburgo, May 13, 2016.

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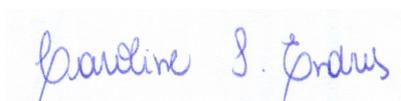
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93334-000  
Novo Hamburgo  
Rio Grande do Sul, Brasil

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---

Technical Analyst  
Adriana Maria Federhen Specht - Chemical technician  
CRQ 05405251 - 5ª Region



---

Technical Analyst  
Caroline Sebolt Endres - Chemical technician  
CRQ 05101116 - 5ª Region



---

Technical Analyst  
Michele Caroline Ferreira da Silva - Chemical technician  
LP 00009963 - 5ª Region



---

Test Supervisor  
Janiela Cristina Klein Gamarra - Chemical technician  
CRQ 05406114 - 5ª Region

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[laboratorio@ibtec.org.br](mailto:laboratorio@ibtec.org.br)  
CNPJ 87.190.161/0001-73  
Inscrição Estadual: 086/0422534

Rua Araxá, 750  
Bairro Ideal  
93334-000  
Novo Hamburgo  
Rio Grande do Sul, Brasil