



## Test Report

No. BR2205342 Rev. 1

Date: Barueri, 09 Feb 2023

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**\*\* This report cancels and replaces the previous revision of the Report No.BR2205342 report issued by SGS on 01/11/23 \*\***

The following sample(s) was/were submitted and identified on behalf of the buyer as: Napa Semi-anilina Marsala/ Brittany; Napa Semi-anilina Marsala; Napa Semi-anilina Brittany

SGS Order No. :	400000001045
Total of Sample :	02 SAMPLES
Project :	VEJA
Test Product :	F. LEATHER WITH COVER
Mix :	YES
Colors :	MARSALA / BRITTANY
Sample composed of fibers of plant origin :	NO
Sample contains PVC or recycled material in the composition :	NO
Sample covered with paints or varnishes :	YES
Sample based on PU :	NO
Mix :	NO
Colors :	MARSALA
Mix :	NO
Colors :	BRITTANY

**The informations above was provided by or on behalf of the customer.**

Proposal Number :	C&P PR22-303897 REV00
Sample Receiving Date :	14 Dec 2022
Test Performing Period :	15 Dec 2022 - 10 Jan 2023
Test Requested :	Selected test(s) as requested by client.
Test Part Description :	Please refer to next page(s).
Test Method :	Please refer to next page(s).
Test Results :	Please refer to next page(s).
Technical Responsibility :	Alessandra Shimizu - Laboratory Manager CRQ 04245592

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Sample Photo :



SGS authenticate the photo on original report only

Signed for and on behalf of  
SGS do Brasil Ltda.

Alessandra Shimizu  
Laboratory Manager CRQ 04245592

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Test Results :

### Test Part Description :

Item No.	SGS Sample ID	Description
1	BR2205342.001	Napa Semi-anilina Marsala/ Brittany
2	BR2205342.002	Napa Semi-anilina Marsala
3	BR2205342.003	Napa Semi-anilina Brittany

### Nonylphenol (NP) and Octylphenol (OP)

Test Method : Reference by ISO 18218-2:2015, analysis was performed by GC-MS.

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result
Nonylphenol (NP)	25154-52-3	-	10.00	mg/kg	ND
Octylphenol (OP)	27193-28-8	-	10.00	mg/kg	ND
Sum of NP and OP (AP)		Max. 100.00	10.00	mg/kg	ND

### Nonylphenol Ethoxylates (NPEOs) and Octylphenol Ethoxylates (OPEOs)

Test Method : Reference by ISO 18218-1:2015, analysis was performed by LC-MS.

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result
Nonylphenol ethoxylates (NPEO)	9016-45-9	-	20.00	mg/kg	ND
Octylphenol ethoxylates (OPEO)	9002-93-1	-	20.00	mg/kg	ND
Sum of NPEO and OPEO (APEO)		Max. 100.00	-	mg/kg	ND

### AZO Dyes in Leather

Test Method : With reference to EN ISO 17234-1:2015 & EN ISO 17234-2:2011, analysis was performed with GC-MS/LC-MS.

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result
4-Aminobiphenyl	92-67-1	Max. 20.00	5.00	mg/kg	ND
Benzidine	92-87-5	Max. 20.00	5.00	mg/kg	ND
4-chloro-o-toluidine	95-69-2	Max. 20.00	5.00	mg/kg	ND
2-naphthylamine	91-59-8	Max. 20.00	5.00	mg/kg	ND
o-aminoazotoluene	97-56-3	Max. 20.00	5.00	mg/kg	ND
2-amino-4-nitrotoluene	99-55-8	Max. 20.00	5.00	mg/kg	ND
4-chloroaniline	106-47-8	Max. 20.00	5.00	mg/kg	ND
2,4-diamino-anisole	615-05-4	Max. 20.00	5.00	mg/kg	ND
4,4'-diaminodiphenylmethane	101-77-9	Max. 20.00	5.00	mg/kg	ND
3,3'-dichlorobenzidine	91-94-1	Max. 20.00	5.00	mg/kg	ND
3,3'-dimethoxybenzidine	119-90-4	Max. 20.00	5.00	mg/kg	ND

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Test Item(s)	CAS-NO.	Limit	RL	Unit	Result
					<b>001</b>
3,3'-dimethylbenzidine	119-93-7	Max. 20.00	5.00	mg/kg	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	Max. 20.00	5.00	mg/kg	ND
p-cresidine	120-71-8	Max. 20.00	5.00	mg/kg	ND
4,4'-methylene-bis-(2-chloroaniline)	101-14-4	Max. 20.00	5.00	mg/kg	ND
4,4'-oxydianiline	101-80-4	Max. 20.00	5.00	mg/kg	ND
4,4'-thiodianiline	139-65-1	Max. 20.00	5.00	mg/kg	ND
o-toluidine	95-53-4	Max. 20.00	5.00	mg/kg	ND
2,4-Toluylendiamine	95-80-7	Max. 20.00	5.00	mg/kg	ND
2,4,5-trimethylaniline	137-17-7	Max. 20.00	5.00	mg/kg	ND
4-aminoazobenzene	60-09-3	Max. 20.00	5.00	mg/kg	ND
O-Anisidine	90-04-0	Max. 20.00	5.00	mg/kg	ND
2,4-Xylidine	95-68-1	Max. 20.00	5.00	mg/kg	ND
2,6-Xylidine	87-62-7	Max. 20.00	5.00	mg/kg	ND
4-Chloro-o-toluidinium Chloride	3165-93-3	Max. 20.00	5.00	mg/kg	ND
2-Naphthylammoniumacetate	553-00-4	Max. 20.00	5.00	mg/kg	ND
4-Methoxy-m-phenylene diammonium sulphate	39156-41-7	Max. 20.00	5.00	mg/kg	ND

### Short Chained Chlorinated Paraffin (SCCP) and Medium Chained Chlorinated Paraffin (MCCP)

Test Method : With reference to DIN EN ISO 18219:2021; analysis was performed by LC/MS-MS.

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result
					<b>001</b>
Short Chained Chlorinated Paraffin (SCCP)	85535-84-8	Max. 1000	100	mg/kg	ND
Medium Chained Chlorinated Paraffin (MCCP)	85535-85-9	Max. 1000	100	mg/kg	ND

### Formaldehyde

Test Method : With reference to ISO 17226-1:2019, analysis was performed by LC-DAD

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result
					<b>001</b>
Formaldehyde	50-00-0	Max. 16.00	16.00	mg/kg	ND

### Formaldehyde

Test Method : With reference to ISO 17226-2:2019, analysis was performed by LC-DAD

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result
					<b>001</b>
Formaldehyde	50-00-0	Max. 16.00	16.00	mg/kg	ND

### Extractable Metals in Leather

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Test Method : With reference to ISO 17072-1:2019, analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <b>001</b>
Antimony (Sb)	Max. 30.00	3.00	mg/kg	ND
Arsenic (As)	Max. 0.20	0.10	mg/kg	0.10
Barium (Ba)	Max. 1000.00	100.00	mg/kg	ND
Cadmium (Cd)	Max. 0.10	0.05	mg/kg	ND
Cobalt (Co)	Max. 1.00	0.50	mg/kg	ND
Copper (Cu)	Max. 25.00	5.00	mg/kg	ND
Lead (Pb)	Max. 0.20	0.10	mg/kg	ND
Mercury (Hg)	Max. 0.02	0.02	mg/kg	ND
Selenium (Se)	Max. 500.00	50.00	mg/kg	ND

### Total Heavy Metals

Test Method : EN ISO 17072-2:2019

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <b>001</b>
Arsenic (As)	7440-38-2	Max. 10.00	10.00	mg/kg	ND
Cadmium (Cd)	7440-43-9	Max. 40.00	5.00	mg/kg	ND
Mercury (Hg)	7439-97-6	Max. 0.50	0.10	mg/kg	ND

### Non-Metal Products

Test Method : With reference to CPSC-CH-E1002-08.3; analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <b>001</b>
Lead (Pb)	Max. 90.00	10.00	mg/kg	ND

### Hexavalent Chromium with aging

Test Method : Aging of the sample is required according to BS ISO 10195 (2018) Method A2 (24h, 80°C, max. 10%rH, usage of a non-ventilated oven) and EN ISO 17075:2017.

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <b>002</b>
Hexavalent Chromium with aging	18540-29-9	Max. 3.000	0.625	mg/kg	ND

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <b>003</b>
Hexavalent Chromium with aging	18540-29-9	Max. 3.000	0.625	mg/kg	ND

### Hexavalent Chromium

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Test Method : With reference to ISO 17075-1:2017 and ISO17075-2:2017, analysis was performed by UV/VIS Spectrometry.

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <b>002</b>
Hexavalent Chromium (VI) (ISO17075-1)	18540-29-9	Max. 3	3	mg/kg	ND
Hexavalent Chromium (VI) (ISO17075-2)	18540-29-9	Max. 3	3	mg/kg	ND
<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <b>003</b>
Hexavalent Chromium (VI) (ISO17075-1)	18540-29-9	Max. 3	3	mg/kg	ND
Hexavalent Chromium (VI) (ISO17075-2)	18540-29-9	Max. 3	3	mg/kg	ND

### Monomer - Vinyl Chloride

Test Method : With reference to EN ISO 6401:2008. Analysis was conducted by headspace GC-MS.

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <b>001</b>
Vinyl Chloride	75-01-4	Max. 1	1	mg/kg	ND

### Organotin Compounds

Test Method : With reference to ISO 16179:2012, analysis was performed by GC-MS

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <b>001</b>
Dibutyl tin (DBT)	1002-53-5	Max. 1.00	0.10	mg/kg	ND
Diocetyl tin (DOT)	15231-44-4	Max. 1.00	0.10	mg/kg	ND
Monobutyl tin (MBT)	78763-54-9	Max. 1.00	0.10	mg/kg	ND
Tricyclohexyl tin (TCyHT)	892-20-6	Max. 1.00	0.10	mg/kg	ND
Trimethyltin (TMT)		Max. 1.00	0.10	mg/kg	ND
Triocetyl tin (TOT)	869-59-0	Max. 1.00	0.10	mg/kg	ND
Tripropyltin (TPT)		Max. 1.00	0.10	mg/kg	ND
Tributyl tin (TBT)	688-73-3	Max. 0.10	0.10	mg/kg	ND
Triphenyl tin (TPHT)	892-20-6	Max. 0.50	0.10	mg/kg	ND

### Ortho-phenylphenol (OPP)

Test Method : DIN 50009:2021

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <b>001</b>
Ortho-phenylphenol (OPP)	90-43-7	Max. 1000.00	0.50	mg/kg	ND

### Phthalates

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Test Method : With reference to ISO 14389:2014; Analysis was performed by GC-MS/CPSC Method CPSC-CH-C1001.09.4:2018

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result
					<b>001</b>
Diisononyl Phthalate (DINP)	28553-12-0	Max. 500.00	50.00	mg/kg	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	Max. 500.00	50.00	mg/kg	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	Max. 500.00	50.00	mg/kg	ND
Diisodecyl Phthalate (DIDP)	26761-40-0	Max. 500.00	50.00	mg/kg	ND
Benzylbutyl Phthalate (BBP)	85-68-7	Max. 500.00	50.00	mg/kg	ND
Dibutyl Phthalate (DBP)	84-74-2	Max. 500.00	50.00	mg/kg	ND
Diisobutyl Phthalate (DIBP)	84-69-5	Max. 500.00	30.00	mg/kg	ND
Di-n-hexyl Phthalate (DnHP)	84-75-3	Max. 500.00	50.00	mg/kg	ND
Diethyl Phthalate (DEP)	84-66-2	Max. 500.00	50.00	mg/kg	ND
Dimethyl Phthalate (DMP)	131-11-3	Max. 500.00	50.00	mg/kg	ND
Di-n-pentyl Phthalate (DPENP)	131-18-0	Max. 500.00	50.00	mg/kg	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	Max. 500.00	50.00	mg/kg	ND
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	Max. 500.00	50.00	mg/kg	ND
Bis(2-methoxyethyl) Phthalate (DMEP)	117-82-8	Max. 500.00	50.00	mg/kg	ND
Diisopentyl Phthalate (DIPP)	605-50-5	Max. 500.00	50.00	mg/kg	ND
Dipropyl phthalate (DPRP)	131-16-8	Max. 500.00	50.00	mg/kg	ND
Diisooctyl phthalate (DIOP)	27554-26-3	Max. 500.00	50.00	mg/kg	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	Max. 500.00	50.00	mg/kg	ND
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	Max. 500.000	50.000	mg/kg	ND
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1	Max. 500.000	30.000	mg/kg	ND
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5	Max. 500.000	30.000	mg/kg	ND
N-pentyl-isopentyl Phthalate (NPIPP)	776297-69-9	Max. 500.00	30.00	mg/kg	ND
Di-hexylphthalate, branched and linear (DHxP)	68515-50-4	Max. 500.000	30.000	mg/kg	ND
Di-iso-hexylphthalate (DIHxP)	71850-09-4	Max. 500.00	30.00	mg/kg	ND
Sum		Max. 1000.00	-	mg/kg	ND

### Polycyclic aromatic hydrocarbons (PAH)

Test Method : With reference to AfPS GS 2019:01 PAK. Analysis was performed by GC-MS.

Test Item(s)	CAS-NO.	Limit	RL	Unit	Result
					<b>001</b>
Acenaphthene (ANA)	83-32-9	-	0.20	mg/kg	ND
Acenaphthylene (ANY)	208-96-8	-	0.20	mg/kg	ND
Anthracene (ANT)	120-12-7	-	0.20	mg/kg	ND

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<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <u>001</u>
Benzo(g,h,i)perylene (BPE)	191-24-2	-	0.20	mg/kg	ND
Fluorene (FLU)	86-73-7	-	0.20	mg/kg	ND
Fluoranthene (FLT)	206-44-0	-	0.20	mg/kg	ND
Indeno(1,2,3-c,d)pyrene (IPY)	193-39-5	-	0.20	mg/kg	ND
Naphthalene (NAP)	91-20-3	-	0.20	mg/kg	ND
Phenanthrene(PHE)	85-01-8	-	0.20	mg/kg	ND
Pyrene (PYR)	129-00-0	-	0.20	mg/kg	ND
Benzo(a)anthracene (BaA)	56-55-3	Max. 0.50	0.20	mg/kg	ND
Benzo(a)pyrene (BaP)	50-32-8	Max. 0.50	0.20	mg/kg	ND
Benzo(b)fluoranthene (BbF)	205-99-2	Max. 0.50	0.20	mg/kg	ND
Benzo(e)pyrene (BeP)	192-97-2	Max. 0.50	0.20	mg/kg	ND
Benzo(j)fluoranthene (BjF)	205-82-3	Max. 0.50	0.20	mg/kg	ND
Benzo(k)fluoranthene (BkF)	207-08-9	Max. 0.50	0.20	mg/kg	ND
Chrysene (CHR)	218-01-9	Max. 0.50	0.20	mg/kg	ND
Dibenzo(a,h)anthracene (DBA)	53-70-3	Max. 0.50	0.20	mg/kg	ND
Sum of 18 PAHs		Max. 10.00	-	mg/kg	ND

### Quinoline

Test Method : DIN 54231:2005, Analysis was conducted by LCMS/DAD

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <u>001</u>
Quinoline	91-22-6	Max. 50	10	mg/kg	ND

### Residual Solvent (ISO 16189/13)

Test Method : ISO 16189/13, extration with organic solvent, analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS-NO.</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <u>001</u>
Dimethylacetamida (DMAC)	127-19-5	Max. 1000.00	50.00	mg/kg	ND
Dimethylformamide (DMFA)	68-12-2	Max. 500.00	50.00	mg/kg	ND
Formamide	75-12-7	Max. 1000.00	50.00	mg/kg	ND
N-methyl-2-pyrrolidone (NMP)	872-50-4	Max. 1000.00	50.00	mg/kg	ND

### pH Value

Test Method : According to ISO 4045:2018.

<u>Test Item(s)</u>	<u>Limit</u>	<u>RL</u>	<u>Unit</u>	<b>Result</b> <u>002</u>
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Test Item(s)	Limit	RL	Unit	Result
pH Value	3.50 - 7.00	-	-	4.00
Test Item(s)	Limit	RL	Unit	Result
pH Value	3.50 - 7.00	-	-	4.10

### Remarks :

- (1) RL = Reporting Limit
- (2) ND = Not Detected ( < RL )
- (3) "-" = Not Analyzed / Not Applicable
- (4) "--" = Analysis in Process
- (5) 1 mg/kg = 0.0001%
- (6) mg/kg = ppm

### Comments :

The reported results refer only to the samples submitted to the tests. SGS is not responsible for information regarding the composition of the sample and its manufacturing data. These are the sole responsibility of the customer and are not part of the service scope of SGS do Brasil LTDA.

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The Decision Rule defined by SGS states that the uncertainty of measurement will not be considered in the Verdict (declaration of conformity) when indicated in the test report.

The test SCCP & MCCP is not part of the scope of testing of this laboratory and was produced by a subcontracted laboratory. The outsourced test was performed by laboratory SGS Hong Kong Limited, report number SL12200349461901TX.

Rev.01: The analyte "Chromium (Cr)" in the Extractable Metals in Leather analysis of the report was removed.

**WARNING: The opinions and interpretations expressed below are based on the results obtained from the item tested, applicable only to the tests where the specification parameters are included in this report.**

### Summary of Test Result:

Test Parameter	Test Method	Evaluation
Extractable Metals in Leather	With reference to ISO 17072-1:2019, analysis was performed by ICP-OES.	PASS
Total Heavy Metals	EN ISO 17072-2:2019	PASS
Non-Metal Products	With reference to CPSC-CH-E1002-08.3; analysis was performed by ICP-OES.	PASS
Hexavalent Chromium with aging	Aging of the sample is required according to BS ISO 10195 (2018) Method A2 (24h, 80°C, max. 10%RH, usage of a non-ventilated oven) and EN ISO 17075:2017.	PASS
Hexavalent Chromium	With reference to ISO 17075-1:2017 and ISO17075-2:2017, analysis was performed by UV/VIS Spectrometry.	PASS
Monomer - Vinyl Chloride	With reference to EN ISO 6401:2008. Analysis was conducted by headspace GC-MS.	PASS

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Nonylphenol (NP) and Octylphenol (OP)	Reference by ISO 18218-2:2015, analysis was performed by GC-MS.	PASS
Nonylphenol Ethoxylates (NPEOs) and Octylphenol Ethoxylates (OPEOs)	Reference by ISO 18218-1:2015, analysis was performed by LC-MS.	PASS
AZO Dyes in Leather	With reference to EN ISO 17234-1:2015 & EN ISO 17234-2:2011, analysis was performed with GC-MS/LC-MS.	PASS
Short Chained Chlorinated Paraffin (SCCP) and Medium Chained Chlorinated Paraffin (MCCP)	With reference to DIN EN ISO 18219:2021; analysis was performed by LC/MS-MS.	PASS
Formaldehyde	With reference to ISO 17226-1:2019, analysis was performed by LC-DAD	PASS
Formaldehyde	With reference to ISO 17226-2:2019, analysis was performed by LC-DAD	PASS
Organotin Compounds	With reference to ISO 16179:2012, analysis was performed by GC-MS	PASS
Ortho-phenylphenol (OPP)	DIN 50009:2021	PASS
Phthalates	With reference to ISO 14389:2014; Analysis was performed by GC-MS/CPSC Method CPSC-CH-C1001.09.4:2018	PASS
Polycyclic aromatic hydrocarbons (PAH)	With reference to AfPS GS 2019:01 PAK. Analysis was performed by GC-MS.	PASS
Quinoline	DIN 54231:2005, Analysis was conducted by LCMS/DAD	PASS
Residual Solvent (ISO 16189/13)	ISO 16189/13, extration with organic solvent, analysis was performed by GC-MS.	PASS
pH Value	According to ISO 4045:2018.	PASS

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

The assay were conducted in the laboratory in Brazil, located at the address cited at the bottom of this report.