



## TEST REPORT

The following sample(s) was (were) submitted and identified by/on behalf of the client as:

|                                |   |             |
|--------------------------------|---|-------------|
| Sample Description As Declared | : | NUV°COUTURE |
|--------------------------------|---|-------------|

### SUMMARY OF TEST RESULTS

| TEST REQUESTED            | CONCLUSION | REMARKS |
|---------------------------|------------|---------|
| <b>CHEMICAL TESTS</b>     |            |         |
| pH Value in Leather       | PASS       |         |
| Chromium VI after Aging   | PASS       |         |
| Azo Dyes (Leather)        | PASS       |         |
| Bisphenols                | PASS       |         |
| Total Chromium in Leather | PASS       |         |

|         |                                                                                                           |
|---------|-----------------------------------------------------------------------------------------------------------|
| Remarks | <b>Pass:</b> Meets client's requirement                                                                   |
|         | <b>Fail:</b> Does not meet client's requirement                                                           |
|         | <b>See Results:</b> No specified requirement                                                              |
| Notes:  | Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s). |
|         | Residual sample can be returned to client if requested.                                                   |

The test results relate to the tested items only.  
Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul  
Signed for and on behalf of  
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

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## TEST REPORT

### Component List / List of Materials for Chemicals

| Sample No. | Material No. | Component | Material | Colour | Fiber Type* |
|------------|--------------|-----------|----------|--------|-------------|
| A          | A1           | Main      | Leather  | Black  | -           |

\*This fiber type identification is for the selection of azo dye testing procedure.

**Note:**

Type A=Textile contains natural fibers only and/or regenerated fibers exclude the group of acetate.

Type B=Textile contains polyester fibers only

Type C=Textile contains man-made fibers and/or man-made blended fibers (except polyester fibers)

N/A: Not Applicable

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## TEST REPORT

### Azo Dyes (Leather)<sup>1</sup>

Test Method: With reference to ISO 17234-1:2020 - Analysis by GC-MS, Confirmation by LC-DAD

| <u>Component</u>                                 | <u>Cas No</u> | <u>A1</u>   |
|--------------------------------------------------|---------------|-------------|
| 4-Aminobiphenyl                                  | 92-67-1       | n.d.        |
| Benzidine                                        | 92-87-5       | n.d.        |
| 4-Chlor-o-toluidine                              | 95-69-2       | n.d.        |
| 2-Naphthylamine                                  | 91-59-8       | n.d.        |
| o-Aminoazotoluene                                | 97-56-3       | n.d.        |
| 5-nitro-o-toluidine / 2-Amino-4-nitrotoluene     | 99-55-8       | n.d.        |
| 4-Chloroaniline                                  | 106-47-8      | n.d.        |
| 4-methoxy-m-phenylenediamine / 2,4-Diaminoanisol | 615-05-4      | n.d.        |
| 4,4'-Diaminodiphenylmethane                      | 101-77-9      | n.d.        |
| 3,3'-Dichlorobenzidine                           | 91-94-1       | n.d.        |
| 3,3'-Dimethoxybenzidine                          | 119-90-4      | n.d.        |
| 3,3'-Dimethylbenzidine                           | 119-93-7      | n.d.        |
| 4,4'-methylenedi-o-toluidine /                   |               |             |
| 3,3'-Dimethyl-4,4'-diaminodiphenylmethane        | 838-88-0      | n.d.        |
| p-Cresidine                                      | 120-71-8      | n.d.        |
| 4,4'-Methylene-bis-(2-chloroaniline)             | 101-14-4      | n.d.        |
| 4,4'-Oxydianiline                                | 101-80-4      | n.d.        |
| 4,4'-Thiodianiline                               | 139-65-1      | n.d.        |
| o-Toluidine                                      | 95-53-4       | n.d.        |
| 4-methyl-m-phenylenediamine / 2,4- Toluendiamine | 95-80-7       | n.d.        |
| 2,4,5-Trimethylaniline                           | 137-17-7      | n.d.        |
| 4-aminoazobenzene                                | 60-09-3       | ##          |
| O-Anisidine                                      | 90-04-0       | n.d.        |
| 2,4-Xylidine                                     | 95-68-1       | n.d.        |
| 2,6-Xylidine                                     | 87-62-7       | n.d.        |
| 4-chloro-o-toluidinium chloride+                 | 3165-93-3     | n.d.        |
| 2-Naphthylammoniumacetate+                       | 553-00-4      | n.d.        |
| 4-methoxy-m-phenylene diammonium sulphate;       |               |             |
| 2,4-diaminoanisol sulphate+                      | 39156-41-7    | n.d.        |
| 2,4,5-trimethylaniline hydrochloride+            | 21436-97-5    | n.d.        |
| <b>Conclusion</b>                                |               | <b>Pass</b> |

### Note(s):

n.d. = not detected

+ = Result was back calculated based on the determination of its amine

Reporting Limit = 5 mg/kg

**Requirement = 20 mg/kg**

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Remark: The result interpretation and assessment guide according to Annex C of ISO 17234-1 should be taken into account when assessing the source of amine.

## The ISO 17234-1 methods will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine is not found (i.e. 5 mg/kg) by mentioned test method, test result for 4-aminoazobenzene (CAS no. 60-09-3) is considered as "not detected" (i.e. <5 mg/kg). Otherwise, the test method of ISO 17234-2 will be employed to verify the presence of 4-aminoazobenzene.

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## TEST REPORT

### Azo Dyes - Determination of 4AAB (Leather)<sup>1</sup>

Test Method: With reference to ISO 17234-2:2011 - Analysis by GC-MS, Confirmation by LC-DAD

#### Component

4-aminoazobenzene

#### Cas No

60-09-3

#### A1

n.d.

#### Conclusion

Pass

#### Note(s):

n.d. = not detected

Reporting Limit = 5 mg/kg

**Requirement by the client= 20 mg/kg**

Remark:

### Total Chromium in Leather<sup>1</sup>

Test Method: With reference to ISO 17072-2:2022 - Analysis by ICP-MS/OES

Chromium (Cr)

#### CAS-No.

7440-47-3

#### A1

19 mg/kg

#### Conclusion

Pass

#### Note:

n.d. = not detected

Reporting Limit = 10 mg/kg

**Client Requirement = 100 mg/kg**

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## TEST REPORT

### Bisphenols

Test Method: With reference to EN ISO 11936:2023 - Analysis by HPLC-MS/MS

|                                      | <u>CAS-No.</u> | <u>A1</u>   |
|--------------------------------------|----------------|-------------|
| Bisphenol A (BPA)                    | 80-05-7        | n.d.        |
| Bisphenol S (BPS)                    | 80-09-1        | 17 mg/kg    |
| Bisphenol F (BPF)                    | 620-92-8       | 24 mg/kg    |
| Bisphenol AF (BPAF)                  | 1478-61-1      | n.d.        |
| Bisphenol B                          | 77-40-7        | n.d.        |
| <b>Sum of BPS, BPF, BPAF and BPB</b> | -              | 41 mg/kg    |
| <b>Conclusion</b>                    |                | <b>Pass</b> |

Note:

n.d. = not detected  
Reporting Limit = BPA: 0.1mg/kg; Others:10 mg/kg( each)  
**Client Requirement =** BPA: 1 mg/kg ; BPS, BPF, BPAF and BPB: 500 mg/kg (individual) ; BPS, BPF, BPAF and BPB: 1000 mg/kg (Sum)

### Chromium VI after Aging<sup>1</sup>

Test Method: With reference to ISO 17075-1:2017 - Analysis by UV-VIS spectrophotometer (Aging condition with reference to ISO 10195:2018 Method A2 at 80±2°C for 24±1 hour at <10% relative humidity before Cr (VI) determination)  
The cell length: 5 cm

|                                      | <u>CAS-No.</u> | <u>A1</u>   |
|--------------------------------------|----------------|-------------|
| Chromium VI (Cr VI)                  | 18540-29-9     | n.d.        |
| <sup>#</sup> Post-Spike Recovery (%) |                | 80-120      |
| <b>Conclusion</b>                    |                | <b>Pass</b> |

Note:

n.d. = not detected  
Reporting Limit = 3 mg/kg  
**Client Requirement =** 3 mg/kg  
# = The recovery rate is an indicator of whether the procedure works or the matrix interference, e.g., reducing agent or oxidizing agent, are affecting the results. Normally, the recovery rate is within 80-120%. ISO 17075-2:2017 confirmation is recommended if the recovery rate is not within 80-120%.

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## TEST REPORT

### pH Value in Leather<sup>1</sup>

Test Method With reference to BS EN ISO 4045:2018 - Analysis by pH meter

**Component** **A1**

pH Value 3,9 pH Value

Difference Figure 0,5

**3,5-7,5 pH Value**

**Conclusion** **Pass**

**Note(s):** Difference Figure is the difference between the pH value of solution and that of its ten fold dilution.



\* \* \*

End of Test Report

\* \* \*

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