

# bluesign System Substances List (BSSL)

Consumer safety limits

## CHANGES 2026

Version 17.0, 01 July 2026 – compared to Version 16.0, 01 July 2025

## Purpose

This document provides an overview of the changes in BSSL version 17.0 compared to version 16.0.

## Validity of BSSL v17.0

BSSL 17.0 comes into force on 01 July 2026.

It replaces the bluesign System Substances List (BSSL) version 16.0 from 01 July 2025.

For all bluesign System Partners: Unless otherwise stated, the revised sections will be implemented by 01 July 2028 at the latest.

## Text changes

The text section of the BSSL undergoes an annual review, and consequently, the wording is amended as needed. This document outlines only the key changes.

- Added Chapter 5.7 containing specific limits for jewellery, reflecting the AFIRM RSL limits.
- PFAS Phase-out chapter has been extended, and testing approach was amended.
- Added Chapter 5.9 explaining Non-PFAS Dyestuff containing fluorine.

## Threshold limit values

### Aldehydes

| Name         | CAS No. | Sector of Use | Limit Type | Value A/B/C    | Comment                                   |
|--------------|---------|---------------|------------|----------------|-------------------------------------------|
| Formaldehyde | 50-00-0 | All           | Limitation | 15/75/75 mg/kg | Limit for usage range C has been lowered. |

### Amines

| Name                                    | CAS No.  | Sector of Use | Limit Type | Value A/B/C          | Comment   |
|-----------------------------------------|----------|---------------|------------|----------------------|-----------|
| <b>2,5-Diaminotoluene and its salts</b> |          |               |            |                      |           |
| 2,5-Diaminotoluene                      | 95-70-5  | All           | Usage ban  | 20 mg/kg group limit | New group |
| 2,5-Diaminotoluene sulfate              | 615-50-9 |               |            |                      |           |

### Arylamines

| Name                                 | CAS No.  | Sector of Use | Limit Type | Value A/B/C          | Comment       |
|--------------------------------------|----------|---------------|------------|----------------------|---------------|
| <b>2-Naphthylamine and its salts</b> |          |               |            |                      |               |
| 2-naphthylammonium chloride          | 612-52-2 | All           | Usage ban  | 20 mg/kg group limit | New substance |

### Biocides

| Name                                                  | CAS No.    | Sector of Use | Limit Type | Value A/B/C | Comment       |
|-------------------------------------------------------|------------|---------------|------------|-------------|---------------|
| 2-methyl-2H-isothiazol- 3-one hydrochloride (MIT HCl) | 26172-54-3 | All           | Limitation | 10 mg/kg    | New substance |

### Chlorinated Phenols

| Name                         | CAS No. | Sector of Use | Limit Type | Value A/B/C           | Comment                                |
|------------------------------|---------|---------------|------------|-----------------------|----------------------------------------|
| Trichlorophenol, all isomers | -       | All           | Usage ban  | 0.2 / 0.5 / 0.5 mg/kg | Limit for usage range A was increased. |

### Chlorinated paraffins, all chain lengths

| Name                                    | CAS No.      | Sector of Use | Limit Type | Value A/B/C | Comment                       |
|-----------------------------------------|--------------|---------------|------------|-------------|-------------------------------|
| Paraffin, C14-C17, chlorinated (MCCP)   |              |               |            |             |                               |
| Paraffin, C14-C17, chlorinated - (MCCP) | 85535-85-9   | All           | Usage ban  | 100 mg/kg   | The group limit is increased. |
| Alkanes, C14-16, chloro                 | 1372804-76-6 |               |            |             |                               |
| Di-, tri- and tetrachlorotetradecane    |              |               |            |             |                               |
| Tetradecane, chloro derivs.             | 198840-65-2  |               |            |             |                               |
| Paraffin, C18-C28, chlorinated (LCCP)   |              |               |            |             |                               |
| Paraffin, C18-C28, chlorinated - (LCCP) | 85535-86-0   | All           | Usage ban  | 100 mg/kg   | The group limit is increased. |
| Paraffin wax, chlorinated               | 63449-39-8   |               |            |             |                               |
| Paraffin, C10-C13, chlorinated (SCCP)   |              |               |            |             |                               |
| Paraffin, C10-C13, chlorinated - (SCCP) | 85535-84-8   | All           | Usage ban  | 100 mg/kg   | The group limit is increased. |

### Colorants

| Name                                      | CAS No.                       | Sector of Use | Limit Type | Value A/B/C | Comment                                                         |
|-------------------------------------------|-------------------------------|---------------|------------|-------------|-----------------------------------------------------------------|
| <b>Colorants banned for other reasons</b> |                               |               |            |             |                                                                 |
| Reactive Blue 69                          | 70209-99-3                    | All           | Usage ban  | 20 mg/kg    | New substance                                                   |
| Reactive Red 84                           | 85187-33-3                    | All           | Usage ban  | 20 mg/kg    | New substance                                                   |
| Reactive Brown 51                         | No CAS<br>EC No:<br>466-490-7 | All           | Usage ban  | 1000 mg/kg  | New substance                                                   |
| <b>Basic Green 4 - (Malachite Green)</b>  |                               |               |            |             |                                                                 |
| Malachite green acetate                   | 41272-40-6                    | All           | Usage ban  | 20 mg/kg    | New substance.<br>Group limit for all members of Basic Green 4. |

### Flame Retardants

| Name                                                                                                     | CAS No.     | Sector of Use | Limit Type | Value A/B/C | Comment                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------|-------------|---------------|------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flame retardants                                                                                         | Several     | All           | Usage ban  | 1000 mg/kg  | Limit applies to total individual chlorine and bromine content. If detected above the limit, follow-up investigation of the flame retardant source shall be conducted via targeted testing and supplier verification. |
| 2-Ethylhexyl 2,3,4,5-tetrabromobenzoate                                                                  | 183658-27-7 | All           | Usage ban  | 5 mg/kg     | New substance                                                                                                                                                                                                         |
| <b>Dechlorane Plus - covering any of its individual anti- and syn-isomers or any combination thereof</b> |             |               |            |             |                                                                                                                                                                                                                       |
| Dechlorane Plus                                                                                          | 13560-89-9  | All           | Usage ban  | 1 mg/kg     | New group                                                                                                                                                                                                             |
| syn-Dechlorane plus                                                                                      | 135821-03-3 | All           | Usage ban  |             |                                                                                                                                                                                                                       |
| anti-Dechlorane plus                                                                                     | 135821-74-8 | All           | Usage ban  |             |                                                                                                                                                                                                                       |

## Flame Retardants

| Name                           | CAS No.    | Sector of Use | Limit Type | Value A/B/C                                                               | Comment                                                                                                                                                                        |
|--------------------------------|------------|---------------|------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Polybrominated Biphenyls       |            |               |            |                                                                           |                                                                                                                                                                                |
| Polybrominated Biphenyls       | 59536-65-1 | All           | Usage ban  | 5 mg/kg                                                                   | Change of allocation of all Polybrominated Biphenyls from Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes to Flame Retardants. No change in limits. |
| 4-bromobiphenyl                | 92-66-0    | All           | Usage ban  | 5 mg/kg group limit of all PBBs                                           | New substances in already restricted group.                                                                                                                                    |
| 3-bromobiphenyl                | 2113-57-7  |               |            |                                                                           |                                                                                                                                                                                |
| 4,4'-dibromobiphenyl           | 92-86-4    |               |            |                                                                           |                                                                                                                                                                                |
| Polybrominated diphenyl ethers |            |               |            |                                                                           |                                                                                                                                                                                |
| Polybrominated diphenyl ethers | -          | All           | Usage ban  | 10 mg/kg group limit<br><br>200 mg/kg group limit for recovered materials | Add group limit for all PBDE.                                                                                                                                                  |

## Isocyanates

| Name                                        | CAS No.   | Sector of Use | Limit Type | Value A/B/C         | Comment        |
|---------------------------------------------|-----------|---------------|------------|---------------------|----------------|
| o-Toluidine diisocyanate (TODI)             | 91-97-4   | All           | Limitation | 1 mg/kg group limit | New substances |
| 2,4,6-Triisopropyl-m-phenylene diisocyanate | 2162-73-4 |               |            |                     |                |

## Metals

| Name                                        | CAS No.    | Sector of Use | Limit Type | Value A/B/C                                  | Comment                                    |
|---------------------------------------------|------------|---------------|------------|----------------------------------------------|--------------------------------------------|
| <b>Chromium VI, its salts and compounds</b> |            |               |            |                                              |                                            |
| Barium chromate; Pigment Yellow 31          | 10294-40-3 | All           | Usage ban  | 3.0 mg/kg (leather)<br>0.5 mg/kg (other SoU) | New substance. Chromium VI limit applies.  |
| <b>Mercury, its salts and compounds</b>     |            |               |            |                                              |                                            |
| Mercury – as content                        | 7439-97-6  | All           | Usage ban  | 0.5 mg/kg (total content)                    | Added total content limit.                 |
|                                             |            | Metal parts   | Usage ban  | 0.02 mg/kg (extractable content)             | Lowered extractable limit for metal parts. |

## Metals

| Name                                                                            | CAS No.   | Sector of Use                                                       | Limit Type | Value A/B/C     | Comment                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------|------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antimony, its salts and compounds                                               |           |                                                                     |            |                 |                                                                                                                                                                                                                |
| Antimony - as content                                                           | 7440-36-0 | Down feather<br>Polymer parts<br>Metal parts<br>Leather<br>Textiles | Limitation | 30 mg/kg        | Align the limit for extractable metal content for all sectors of use (except from fibers/yarns).                                                                                                               |
| Nickel, its salts and compounds                                                 |           |                                                                     |            |                 |                                                                                                                                                                                                                |
| Nickel - as content                                                             | 7440-02-0 | Polymer parts                                                       | Limitation | 1.0 mg/kg       | Limit value 1.0 mg/kg is valid for all textiles and non-metalized polymer parts.                                                                                                                               |
|                                                                                 |           | Metal parts                                                         | Usage ban  | 0.5 µg/cm²/week | The comment is added: This limit applies to any article including metalized polymers with a metalized surface, including items that are plated, metal-coated, or otherwise treated to create a metallic layer. |
| Chromium, its salts and compounds - except Chromium VI, its salts and compounds |           |                                                                     |            |                 |                                                                                                                                                                                                                |
| Chromium – as content                                                           | 7440-47-3 | Down feather<br>Polymer parts<br>Metal parts                        | Limitation | 0.5 mg/kg       | Extractable content lowered.                                                                                                                                                                                   |
|                                                                                 |           | Leather                                                             | Limitation | 0.5 mg/kg       | Added limit for leather (that is not tanned with chromium) dyed with chromium containing metal complex dyes A: 1.0 // B: 2.0 // C: 2.0 mg/kg.                                                                  |
| Selenium, its salts and compounds                                               |           |                                                                     |            |                 |                                                                                                                                                                                                                |
| Selenium - as content                                                           | 7782-49-2 | Textiles                                                            | Limitation | 100 mg/kg       | Limit for textiles is lowered.                                                                                                                                                                                 |

## Monomers

| Name                            | CAS No.   | Sector of Use | Limit Type | Value A/B/C     | Comment       |
|---------------------------------|-----------|---------------|------------|-----------------|---------------|
| α-methylstyrene                 | 98-83-9   | All           | Limitation | 10/10/100 mg/kg | New substance |
| <b>Acrylates</b>                |           |               |            |                 |               |
| Tetrahydrofurfuryl methacrylate | 2455-24-5 | All           | Limitation | 100 mg/kg       | New substance |

### Other Chemical Substances

| Name                                            | CAS No.    | Sector of Use | Limit Type | Value A/B/C                                                                                                                                              | Comment                                                                                          |
|-------------------------------------------------|------------|---------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Bisphenol F                                     | 620-92-8   | All           | Usage ban  | 100 mg/kg<br>general limit<br><br>200 mg/kg<br>specific limit for<br>textile<br>aftertreatment<br><br>500 mg/kg<br>specific limit for<br>leather tanning | Specific limit for textile<br>aftertreatment has been<br>lowered from 500 mg/kg<br>to 200 mg/kg. |
| 2,4,6-tri-tert-butyl phenol                     | 732-26-3   | All           | Usage ban  | 5/30/30 mg/kg                                                                                                                                            | New substance                                                                                    |
| Pentachlorothiophenol                           | 133-49-3   | All           | Usage ban  | 200/1000/1000<br>mg/kg                                                                                                                                   | New substance                                                                                    |
| Phenol, isopropylated,<br>phosphate (PIP (3:1)) | 68937-41-7 | All           | Usage ban  | 200 mg/kg                                                                                                                                                | New substance                                                                                    |
| Nitrobenzene                                    | 98-95-3    | All           | Usage ban  | 5/30/30 mg/kg                                                                                                                                            | New substance                                                                                    |
| 4-Nitrobiphenyl                                 | 92-93-3    | All           | Usage ban  | 20 mg/kg                                                                                                                                                 | New substance                                                                                    |
| Vinylcyclohexene diepoxide                      | 106-87-6   | All           | Usage ban  | 50/300/300<br>mg/kg                                                                                                                                      | New substance                                                                                    |
| Glycidyl isopropyl ether                        | 4016-14-2  | All           | Usage ban  | 200 mg/kg                                                                                                                                                | New substance                                                                                    |
| <b>Siloxanes</b>                                |            |               |            |                                                                                                                                                          |                                                                                                  |
| Decamethyltetrasiloxane                         | 141-62-8   | All           | Usage ban  | 500 mg/kg                                                                                                                                                | New substance                                                                                    |
| Methyltris(trimethylsiloxy)<br>silane           | 17928-28-8 | All           | Usage ban  | 500 mg/kg                                                                                                                                                | New substance                                                                                    |

### Polyaromatic hydrocarbons (PAHs)

| Name             | CAS No.   | Sector of Use | Limit Type | Value A/B/C             | Comment       |
|------------------|-----------|---------------|------------|-------------------------|---------------|
| 5-Methylchrysene | 3697-24-3 | All           | Usage ban  | 10 mg/kg<br>group limit | New substance |

### Plasticizers

| Name                 | CAS No. | Sector of Use | Limit Type | Value A/B/C | Comment                                                                                                                  |
|----------------------|---------|---------------|------------|-------------|--------------------------------------------------------------------------------------------------------------------------|
| Phthalic acid esters | -       | All           | Usage ban  | 250 mg/kg   | Group limit for all phthalates<br>introduced. Individual limit for<br>all members changed from 50<br>mg/kg to 250 mg/kg. |

### Pesticides

| Name                            | CAS No.                                                                                         | Sector of Use | Limit Type | Value A/B/C | Comment                                                                                                             |
|---------------------------------|-------------------------------------------------------------------------------------------------|---------------|------------|-------------|---------------------------------------------------------------------------------------------------------------------|
| Methoxychlor and its<br>isomers | 72-43-5<br>30667-99-3<br>76733-77-2<br>255065-25-9<br>255065-26-0<br>59424-81-6<br>1348358-72-4 | All           | Limitation | 0.01 mg/kg  | Limit for Methoxychlor and its<br>isomers has been lowered.<br>Group limit for all pesticides<br>remains 0.5 mg/kg. |

### PFAS (Poly- and perfluoroalkyl substances)

Numerous regulatory actions concerning PFAS have been recently introduced. Based on the developments, we have decided to revise both the structure and limits for the entire group of these chemicals.

The total fluorine content limit of 50 mg/kg remains unchanged valid for all PFAS and includes 3 subgroups: PFAS polymers, PFAS dyes (group limit: 250 ppb), and **other PFAS** (group limit: 250 ppb). Individual PFAS substances, except for polymers, are additionally subject to a single limit of 25 ppb. Testing recommendation updates are described in the Testing Methods Recommendation Changes at the end of the document. Due to the large number of PFAS substances, it is not feasible to cover them all; therefore, BSSL provides selected examples.

| Name                                     | CAS No. | Sector of Use | Limit Type | Value A/B/C                                        | Comment                                                                                                        |
|------------------------------------------|---------|---------------|------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>PFAS Polymers</b>                     | -       | All           | Usage ban  | 50 mg/kg (total fluorine)                          | Total fluorine limit applies for polymers. New PFAS subgroup introduced. New substances included in the group. |
| <b>PFAS Dyes</b>                         | -       | All           | Usage ban  | 250 µg/kg group limit<br>25 µg/kg individual limit | New PFAS subgroup introduced. New substances included in the group.                                            |
| <b>PFAS other than dyes and polymers</b> | -       | All           | Usage ban  | 250 µg/kg group limit<br>25 µg/kg individual limit | New substances included in the group. Group and individual limit introduced for all members.                   |

### Solvents

| Name                                       | CAS No. | Sector of Use | Limit Type | Value A/B/C   | Comment           |
|--------------------------------------------|---------|---------------|------------|---------------|-------------------|
| Acetone                                    | 67-64-1 | -             | -          | -             | Deleted from BSSL |
| 1,3-Dimethyl-2-imidazolidinone (DMI, DMEU) | 80-73-9 | All           | Usage ban  | 5/40/40 mg/kg | New substance     |

### Tin-organic Compounds

| Name                              | CAS No.    | Sector of Use | Limit Type | Value A/B/C         | Comment       |
|-----------------------------------|------------|---------------|------------|---------------------|---------------|
| <b>Dibutyltin compounds (DBT)</b> |            |               |            |                     |               |
| Dibutyltin hydrogen borate        | 75113-37-0 | All           | Usage ban  | 1 mg/kg group limit | New substance |

## Testing Method Recommendation Changes

| Name                                  | CAS No.    | Old testing recommendation                                                                                                    | New testing recommendation                                                                       | Sector of Use |
|---------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------|
| PFAS – total fluorine                 | -          | EN 14582<br>ASTM D7359                                                                                                        | EN ISO 20999 (2026)<br>ASTM D7359<br>EN 17813 (2023)                                             | All           |
| PFAS other than polymers and dyes     | -          | EN ISO 23702-1 (2023)                                                                                                         | EN 17681-1 (2025)                                                                                | Leather       |
|                                       |            | EN 17681-1 (2025)                                                                                                             | EN ISO 23702-1:2023 using THF extraction followed by methanol precipitation (1:1)                | Polymer parts |
| Barium                                | 7440-39-3  | EN 71-3 (2019) // Acidic solution migration simulating gastric juices DIN<br>EN ISO 17294-2 (2017)<br>DIN EN ISO 11885 (2009) | EN ISO 17072-1 (2019) // Acidic sweat solution                                                   | Leather       |
|                                       |            |                                                                                                                               | DIN EN 16711-2 (2016)                                                                            | All others    |
| Benzyl chloride                       | 100-44-7   | GC-MS // Extraction with Dichloromethane                                                                                      | EN 17137 (2024) with GC-MS confirmation at low injection temperature and/or LC-DAD confirmation. | All           |
| Arylamines                            | -          | EN ISO 17234-1 (2020)                                                                                                         | ISO 17234-1 (2024)                                                                               | Leather       |
| Pyrrithione sodium                    | 3811-73-2  | None                                                                                                                          | HPLC-DAD<br>LC-MS<br>LC-MS/MS                                                                    | All           |
| Bis(2-ethylhexyl) tetrabromophthalate | 26040-51-7 | EN ISO 17881-2 (2016)                                                                                                         | EN ISO 17881-1 (2016)                                                                            | All           |
| Polychlorinated Biphenyls             | 1336-36-3  | ISO/TR 17881-3 (2018)                                                                                                         | GC-MS // Solvent Extraction                                                                      | All           |
| Polychlorinated Terphenyls            | 61788-33-8 | ISO/TR 17881-3 (2018)                                                                                                         | GC-MS // Solvent Extraction                                                                      | All           |
| Polychlorinated Naphthalenes          | -          | ISO/TR 17881-3 (2018)                                                                                                         | GC-MS // Solvent Extraction                                                                      | All           |
| Polybrominated Naphthalenes           | -          | ISO/TR 17881-3 (2018)                                                                                                         | EN ISO 17881-1                                                                                   | All           |
| Tetrafluoroethylene                   | 116-14-3   | EN ISO 23702-1 (2018)                                                                                                         | GC-MS // Headspace                                                                               | Leather       |
|                                       |            | CEN/TS 15968 (2014)                                                                                                           |                                                                                                  | All others    |
| Vinylidene chloride                   | 75-35-4    | EN 13130-6 (2004) // Headspace GC ECD                                                                                         | EN 13130-6 (2004) // Headspace GC-MS                                                             | All           |
|                                       |            | EN 13130-6 (2004) // Headspace GC FID                                                                                         | EN 13130-6 (2004) // Headspace GC-ECD                                                            |               |
|                                       |            |                                                                                                                               | EN 13130-6 (2004) // Headspace GC-FID                                                            |               |
| Hydrofluoric acid                     | 7664-39-3  | GC-MS // Extraction with Water and measurement of Fluorine IC // Extraction with Water and measurement of Fluoride            | IC // Extraction with Water and measurement of Fluoride                                          | All           |



| Name                              | CAS No.                          | Old testing recommendation                                                                                                             | New testing recommendation                                                                                                        | Sector of Use                                            |
|-----------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Isoquinoline                      | 119-65-3                         | LC-MS/MS // Extraction with Methanol                                                                                                   | LC-MS/MS<br>LC-MS<br>LC-DAD<br>DIN 54231:2022<br>In case of interferences confirmation is required by LC-MS or LC-MS/MS           | All                                                      |
| Quinoline                         | 91-22-5                          | LC-DAD // Extraction with Tetrahydrofuran<br><br>LC-MS/MS // Extraction with Tetrahydrofuran<br><br>LC-DAD // Extraction with Methanol |                                                                                                                                   |                                                          |
| Borate, zinc salt                 | 1332-07-6                        | DIN EN 16711-1:2016 (ICP-OES)                                                                                                          | ICP-OES // Indirect testing via Boron (DL for Boron 10 mg/kg)                                                                     | Textiles<br>Down/feather<br>Polymer parts<br>Metal parts |
|                                   |                                  | DIN EN ISO 17072-2:2022                                                                                                                | ICP-MS // Indirect testing via Boron (DL for Boron 10 mg/kg)                                                                      | Leather                                                  |
| Cresol, all isomers               | 1319-77-3                        | BVL B 82.02-8 (2001) // Extraction with Potassium hydroxide<br><br>DIN EN ISO 17070 (2015) // Extraction with Potassium hydroxide      | GC-MS // Headspace                                                                                                                | All                                                      |
| Hydrazine, its salts and hydrates | -                                | GC-MS // Extraction with Tetrahydrofuran/Acetone                                                                                       | GC-MS // Extraction with Tetrahydrofuran/Acetone<br>DIN 38413-1<br>ASTM D1385-07<br>LC-DAD//Solvent extraction and derivatization | All                                                      |
| Siloxanes:<br><br>D4<br>D5<br>D6  | 556-67-2<br>541-02-6<br>540-97-6 | GC // With reference to TEGEWA method (2021)                                                                                           | GC-MS // Ultrasonic extraction with tert-butyl methyl ether or acetone (30 min at 40° C)                                          | All                                                      |
| ε-Caprolactam                     | 105-60-2                         | LC-MS // Extraction with Methanol                                                                                                      | LC-MS // Extraction with Methanol<br><br>ISO 11337:2023                                                                           | All                                                      |
| Chlorinated benzenes and toluenes | -                                | EN 17137 (2024)                                                                                                                        | EN 17137 (2024) with GC-MS confirmation at low injection temperature                                                              | All                                                      |
| Triclosan                         | 3380-34-5                        | EN 17134 (2019)                                                                                                                        | EN 17134-1 (2024)                                                                                                                 | All                                                      |
| Pyrithione zinc                   | 13463-41-7                       | DIN EN 16711-1 (2016) // Total content<br><br>Confirmation method: CE/ICP-MS                                                           | DIN EN 16711-1 (2016) // Total content<br><br>Confirmation method: HPLC-DAD or LC-MS or LC-MS/MS                                  | All                                                      |

| Name                                                                                                                                                             | CAS No.                                                    | Old testing recommendation                                                                                                    | New testing recommendation                     | Sector of Use                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------|
| Mercury – as content                                                                                                                                             | 7439-97-6                                                  | EN 71-3 (2019) // Acidic solution migration<br>simulating gastric juices EN ISO 12846 (2012)                                  | DIN EN 16711-2 (2016) // Acidic sweat solution | Metal parts                                  |
| Antimony - as content                                                                                                                                            | 7440-36-0                                                  | EN 71-3 (2019) // Acidic solution migration<br>simulating gastric juices DIN EN ISO 17294-2 (2017) DIN EN ISO 11885 (2009)    | DIN EN 16711-2 (2016) // Acidic sweat solution | Down/feather<br>Polymer parts<br>Metal parts |
| Nickel - as content                                                                                                                                              | 7440-02-0                                                  | EN 12472 (2020) EN 1811 (2011) + A1 (2015) // Release                                                                         | DIN EN 16711-2 (2016) // Acidic sweat solution | Polymer parts                                |
| Chromium – as content                                                                                                                                            | 7440-47-3                                                  | EN 71-3 (2019) // Acidic solution migration<br>simulating gastric juices DIN EN ISO 17294-2 (2017)<br>DIN EN ISO 11885 (2009) | DIN EN 16711-2 (2016) // Acidic sweat solution | Down/feather<br>Polymer parts<br>Metal parts |
| Paraffin, C14-C17, chlorinated - (MCCP) including:<br><br>Alkanes, C14-16, chloro<br><br>Di-, tri- and tetrachlorotetradecane<br><br>Tetradecane, chloro derivs. | 85535-85-9<br><br>1372804-76-6<br><br>-<br><br>198840-65-2 | ISO 18219 (2021)                                                                                                              | ISO 18219-2 (2021)                             | Leather                                      |