Amer Sports
Material Compliance Policy

Managing the chemical composition of materials, ethical sourcing of materials, and material impacts in manufacturing

MCP / RSL Revision Team
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Version History / Summary of Changes

The Amer Sports Materials Compliance Policy (AS MCP) will evolve with changing regulations and scientific advances. Amer Sports will communicate updates to business partners on an annual basis or ad-hoc in case of urgent changes in regulations. These could include chemical testing thresholds or additional program requirements. Please get in touch with your primary sourcing contact to ensure that you have the most recent version of this document.

Version	Major Change
First Version (2013)	• Original document published under title "AS01 Amer Sports Worldwide Restricted Substance List for Control and Monitoring of Hazardous Substances"
Update (2019, Version 2.0)	• AS01 replaced by "Amer Sports Materials Compliance Policy" • Added testing procedures and section on animal welfare
Update (2021, Version 3.0)	• Simplified RSL structure for product categories other than Apparel & Gear • Added requirements regarding sandblasting and nano-technology to Ethical Sourcing Requirements for Apparel & Gear products • Reworked penalty provisions for non-compliant materials • Rephrased REACH certification
Update (2021, Version 4.0)	• Added Transparency to Ethical Sourcing Requirements • RSL renewed • Testing guidance simplified

1 Introduction

Amer Sports implements its business strategy in an ethically, socially and environmentally responsible manner and ensures that its products are innovative and safe. Amer Sports chooses business partners that are committed to fair and sustainable business.

To manage the chemical composition and ethical sourcing of materials used in Amer Sports brands' products and the chemical impacts in product manufacturing, Amer Sports has developed this Materials Compliance Policy. The major contents are:

- Restricted Substance Lists (RSL)
- Manufacturing RSL (MRSL)
- Testing and Certification Requirements
- Ethical sourcing requirements in addition to Chemicals Management

The purpose of this document is to explain the expectations and requirements for materials as well as acceptable verification methods that Amer Sports imposes to its suppliers.

As part of Amer Sports' responsible sourcing strategy, it is worth mentioning that

- Amer Sports has a Social & Labor Monitoring Program in place to ensure working conditions in our factories meet our requirements (see Section 4.6)
- As a full member of the Sustainable Apparel Coalition (SAC), Amer Sports started tracking the reduction of the environmental impact of its factories using the Higg Facility and Environmental Module (FEM, see Section 4.7). The tracking already started in the softgoods area and is planned to be extended gradually to hardgoods wherever possible. Additionally, brands like Arc'teryx, Peak Performance and Salomon also employ the Higg Brand Module to measure their environmental impact and the Higg Product Module to assess the environmental footprint of materials.

Amer Sports requires its suppliers and business partners to study this document very carefully and implement management processes in compliance with these requirements.

Amer Sports expects all its suppliers to be compliant with the Amer Sports Material Compliance Policy.

1.1 Amer Sports Material Compliance in a Nutshell

According to its Material Compliance Policy, Amer Sports requires its business partners to

1. Guarantee that materials, components and finished products supplied to Amer Sports or for Amer Sports business are in full compliance with laws and regulations regarding environment and product safety.
2. Comply with best practice and industry standards and not intentionally use substances contained in the list of restricted substances (RSL, see Appendix H and Appendix I) in our products.[1]

[1] In the future, starting with apparel and footwear, we will also require compliance with ZDHC's or similar list of substances that are restricted in manufacturing processes (Manufacturing RSL (MRSL), see Appendix B).

3. Improve the environmental impact of supplied materials which means that:
    a. Materials and components supplied are non-toxic in use, their use to manufacture Amer Sports' products and disposal do not involve toxic releases damaging ecosystems.
    b. Suppliers strive to choose materials with the least environmental impact wherever possible.
    c. Suppliers manufacture materials and components under adequate and legally compliant environmental conditions.
4. When sourcing materials from animal products, Amer Sports does not accept any unnecessary pain, suffering or injury caused to these animals, whether they are wild or domesticated, i.e. farmed. Additionally, Amer Sports does not source any material from any endangered or threatened species. Section 4.2 explains Amer Sports' requirements regarding animal welfare in detail.

On an annual basis, Amer Sports reviews and updates its Materials Compliance Policy (MCP) and Restricted Substance List (RSL) upon knowledge of applicable laws in different countries and on the expertise of chemical experts. The Amer Sports Material Compliance Policy always takes the strictest standards legislated globally.

Amer Sports has more-ambitious sustainability goals than what is legally required, and thus the Amer Sports (M)RSL contains also additional non-regulated substances which are:

- either prohibited in our finished goods or their use is limited.
- expected that their use will be regulated / limited in the (near) future.

Amer Sports' focus is on whether the substance can be found in the material, component and/or finished good at a certain level and/or in product manufacturing. It is supplier's responsibility to ensure compliance with regulations restricting the use of substances in production processes or in the factory.

Should you have any questions or concerns about this policy, please do not hesitate to contact your Amer Sports contact person or Sustainability Team (see Appendix C for further details).

The Material Compliance Policy is valid for all Amer Sports brands, products and product categories. However, for Apparel products, Amer Sports is a bluesign® system-partner and relies on the bluesign® system including the bluesign® RSL to assess the safety, environmental impacts, and regulatory status of textiles chemicals (see Appendix H for details). Hence, the restricted substances listed in Appendix I of this policy refers to all other products than Apparel.

1.2 Definitions

We use the following terminology throughout this document:

Term	Definition
Amer Sports	Amer Sports Corporation, Konepajankuja 6, P.O. Box 1000, 00511 Helsinki, Finland and all its affiliated companies (collectively referred to as Amer Sports)
Apparel	All kinds of garments incl. headwear and socks (see appendix for further details)
Article	Object which is given a special shape, surface or design during production and which determines its function to a greater degree than does its chemical composition. It may be produced from natural or synthetic raw materials using individual substances or mixtures.
AS01 Policy	Previous name of the Amer Sports Material Compliance Policy
Authorized testing institute / laboratory	Testing laboratory complying with Amer Sports requirements as defined in Section Testing Institutes
Category	Organizational consolidation of multiple brands selling similar products (also referred to as Product Category). Examples: Apparel, Footwear, Winter Sports Equipment, Ball Sports.
CAS Number	Unique numerical identifiers assigned by the Chemical Abstracts Service to every chemical described in the open scientific literature (currently including those described from 1957 until the present day) and including elements, isotopes, organic and inorganic compounds, ions, organometallics, metals and other individual chemical components.
Chemical substance	A chemical element and its compounds with constant composition and properties. It is defined by the CAS number
Complex object	A complex object refers to any object made up of more than one article. In complex objects, several articles can be joined or assembled together in various manners.
Component	Article used to produce complex objects
Detection limit	Lowest quantity of a substance that can be distinguished from the absence of that substance following a prescribed analytical method
Fabric	Article used to produce complex objects
Finished Good	Complex object that is intended for sale or distribution. Synonym: (Finished) product.
Hardgoods	Sports equipment such as skis, snowboards, wheels, rackets, golf clubs, watches, dive computers, compasses, etc
Limit	Maximum concentration of a substance in a material/component or a homogeneous part of a product expressed in mg/kg unless stated otherwise. The maximum amount of chemical substances permitted in articles.
MCP	Amer Sports Material Compliance Policy defines the chemical composition and ethical sourcing of materials used in our products and the chemical impacts in product manufacturing.
MRSL	Manufacturing Restricted Substance List defines concentration limits for substances in chemical formulation used within manufacturing facilities.
Material	Article used to produce complex objects.
Materials and Components	Refers to all complex objects and articles used to make our products including fabrics, trims, modules, etc
Module	Very complex object made of (or assembled from) complex objects and articles

Product	Synonym for a finished good
Raw Material	Substance or mixture used to make articles
RSL	Restricted Substance List. It defines • restricted and banned substances • concentration limits for restricted substances in materials or finished products to comply with laws and regulations and/or to drive sustainability.
Semi-Finished Good	Complex object that is to be used to make finished goods and usually not intended for sale / distribution. Exceptionally, some semi-finished goods can be sold as spare parts (e.g. buckles, laces, tennis strings, and batteries).
Several	In the RSL document, several means that the whole substance group is restricted even though not all restricted substances are listed explicitly. The listed examples represent only those substances, which should be considered if substance group is intended for testing
Softgoods	Apparel products, footwear products, accessories such as bags, caps, beanies, etc. and soft parts of hard goods (examples of soft parts of hardgoods: grip of a golf club, soft parts of ski boot)
Suppliers	Business partners to which product manufacturing has been outsourced (including finished goods, components and raw materials suppliers). Amer Sports distinguishes its suppliers along the supply chain as follows: • T1 suppliers: manufacture finished goods through Amer Sports • T2 suppliers: produce materials, components, fabrics, trims, etc
SVHC	Substances of Very High Concern (SVHC) which are defined in Article 57 of the Regulation (EC) No 1907/2006 (REACH) and include certain substances that may have serious and often irreversible effects on human health and the environment. REACH aims at ensuring that the risks resulting from the use of SVHCs are controlled and that the substances be replaced where possible. Amer Sports expects its suppliers to adhere to communication guidelines of Article 33 of the REACH Regulation.
Test methods	Best industry practice test methods or test methods as defined by regulations. Test methods are subject to permanent change and shall always be checked with Amer Sports.
Traces	Technical impurities of a substance subject to a usage ban which cannot be avoided technically. Depending on the type of substance and its related manufacturing processes, trace limits may be different in chemical industry and downstream user industry but shall always ensure safety for consumers and environment based on available scientific data.
Trim	Article used to produce complex objects
Usage ban	Prohibition of the intentional use of a substance during any stage of production of a product. Chemical products (e.g. colorants or textile auxiliaries) used for manufacturing of articles must not intentionally contain these substances or substance groups. Aim: avoid release of harmful substances to the environment and to occurrence in the manufactured product by applying the precautionary principle
Usage range	Classification of consumer goods according to their consumer safety relevance: • Usage Range A: Next to skin use and baby articles (0 to 3 years) • Usage Range B: Occasional skin contact • Usage Range C: No skin contact

1.3 Notes

As chemical names may vary, it is the supplier's responsibility to always verify synonyms of any chemical as referenced in the RSL. Amer Sports RSL is based on known and applicable standards at the time of publication, any inaccuracy or omission is not the responsibility of Amer Sports.

Amer Sports MCP requirements reflect national laws and regulations of countries where we sell products (see Appendix A for the most common laws and regulations). Another purpose of the MCP is to drive sustainability. We expect all our suppliers to be fully compliant with our MCP.

Detection limit as indicated in the RSL may vary depending on the current state of the art of analytical methods.

Indication of the relevance of a substance for hardgoods, softgoods and materials are disclosed to suppliers for information purpose only and based on limited knowledge of Amer Sports on suppliers' manufacturing process. It is the supplier's responsibility to always check the relevance of a substance for the products he is delivering to Amer Sports.

This MCP document applies to all suppliers of all Amer Sports brands without any exceptions.

2 General / Liabilities and Responsibilities

2.1 General

The Material Compliance Policy herein completely replaces all current existing policies for control and monitoring of hazardous substances that were valid previously. All production for Amer Sports must comply with these requirements. This also applies to all items that are intended to be sold or distributed as free-of-charge.

2.2 Liabilities and Responsibilities

Suppliers have to acknowledge receipt and agree to comply with Amer Sports MCP requirements and Amer Sports Ethical Policy[2]. Any failure in complying with these requirements will result in a business review and may result to the removal of the supplier or factory from the approved supplier list. Amer Sports reserves the right to terminate the business relations with partners in such cases.

At the request of Amer Sports, suppliers shall promptly provide samples of any pre-produced, un-/semi-finished or finished product. The supplier shall also allow or, as the case may be, procure permission for an authorized representative of Amer Sports to inspect, any premises of supplier or any subcontractor where any products (or packaging for them) are developed, manufactured or stored at any time during normal business hours and on reasonable notice. The authorized representative of Amer Sports may take samples of the products or materials during such inspections.

Material and components suppliers have to ensure that the materials or components shipped to finished good suppliers or Amer Sports' entities comply with Amer Sports MCP requirements.

These suppliers must ensure that materials and components are

- compliant with applicable rules, regulations and standards
- tested according to Amer Sports testing requirements (see Section 3).

Therefore, the supplier should be ready to present applicable certificate / test reports of the materials and components whenever Amer Sports asks for them. If certificates / test reports are not available, Amer Sports reserves the right to execute the non-compliance penalties specified in Section 3.5.

Suppliers will be held liable for all loss and damage suffered by Amer Sports, its distributors or agents due to non-compliant substances found in any of the materials, components or products supplied during times for which a certificate exists.

Amer Sports actively encourages all business partners to maintain a current knowledge of regulatory changes to make sure Amer Sports' products comply with all applicable international legal requirements. Should suppliers become aware of any new laws or regulations applicable to the products they manufacture, they shall proactively inform Amer Sports to enable updates of Amer Sports RSL.

[2] See https://www.amersports.com/sustainability/guidelines-and-policies for the latest versions of the Ethical Policy.

Each supplier of Amer Sports products, components or materials used for the manufacture of Amer Sports products shall represent and warrant that each of its deliverables (whether finished products, components or materials including packaging) complies with all provisions of the MCP/RSL herein.

Supplier shall hold Amer Sports harmless and indemnify Amer Sports from any claim, loss, damage or other detrimental consequence, resulting from any supplier's non-compliance.

Amer Sports requires all suppliers to certify their compliance to the Amer Sports Material Compliance Policy by executing Supplier MCP certificate of compliance (Appendix D) and REACH certificate of compliance (Appendix E) and sending it to its respective Amer Sports office if requested (see contacts in Appendix C).

Suunto collects REACH compliance evidence as part of full material declaration process (see further explanation in Appendix F).

2.3 Validity Periods

Unless specifically mentioned, this Materials Compliance Policy (MCP) and the included RSL/MRSL are effective for all development, design and production and for all products, components and materials delivered to Amer Sports as of 01-Oct-2021. The policy is valid until further notice or replacement.

Amer Sports updates MCP and RSL periodically and reserves the right to update MCP and/or product category specific RSL/MRSL contents at any time. Amer Sports will notify its suppliers about forthcoming changes in due course.

3 Material Compliance Testing

All suppliers providing products to Amer Sports brands are required to:

- Comply with the usage bans and detection limits specified in the RSL;
- Provide test results from a third-party accredited test laboratory or agency, or evidence of compliance upon request at their own expense; and
- Notify Amer Sports of any non-compliant materials.

Suunto verifies substance compliance by collecting full material declarations from suppliers (see further explanations in Appendix F).

3.1 General Procedure

Amer Sports will communicate the testing requirements for each category of products to suppliers. The tests specified in these testing requirements are mandatory.

The requirements in Appendix H and Appendix I provide limits for restricted substances and guidance on material and components testing for softgoods, hardgoods. Appendix J lists examples of products and materials for all Amer Sports product categories. These tables are not intended to replace Amer Sports specific requirements notably regarding CPSIA compliance with respect to lead in paint and lead in products or any other Amer Sports specific testing requirements. Their intent is to assist suppliers in their testing and chemical compliance programs but they shall not release suppliers from their duty to supply Amer Sports products “free from hazardous substances”.

Suppliers shall be fully responsible for obtaining all necessary knowledge and implementing internal management in order to ensure RSL compliance.

All costs associated with testing of materials and components are the responsibility of suppliers, unless otherwise stated in written by Amer Sports.

3.2 Testing Procedures

Amer Sports runs its operations by product categories. Three of these categories, Apparel, Footwear and Suunto have created respective testing procedures.

3.2.1 General

CPSIA[3] is valid for all products sold in the United States of America. Any product-specific testing requirement does not affect the validity of this regulation.

3.2.2 Apparel

For T2 suppliers that provide materials and components to T1 suppliers to manufacture apparel and gear products, Amer Sports has compiled the testing procedures and requirements in respective manuals.

[3] US Consumer Product Safety Improvement Act, see https://www.cpsc.gov/Regulations-Laws--Standards/Statutes/The-Consumer-Product-Safety-Improvement-Act

These manuals generally separate between testing requirements during the individual stages of the product lifecycle: development, salesmen samples and bulk production. The documents can be obtained from your Amer Sports material compliance managers (see Appendix C).

3.2.3 Footwear

Footwear requires T2 suppliers to provide a valid test certificate for the first shipment to T1 suppliers. These test certificates are valid for 13 months since generally, Amer Sports renews its RSL for footwear products on an annual basis. Additionally, the Amer Sports Footwear category reserves the right to conduct random material compliance tests for materials and components or finished goods at any time.

The detailed instructions on footwear testing procedures can be obtained from the material compliance contact for footwear (see Appendix C).

3.2.4 Suunto

Suunto may require testing in situations where the supplier is not able to provide adequate data for verifying compliance (see further explanations on Full Material Declaration in Appendix F).

3.3 Test Reports

Any analysis carried out by an authorized testing laboratory shall be covered by a report which accurately, clearly and unambiguously presents the test results and other relevant information.

All test reports should include material information as follows:

- Name and address of testing institute(s) involved in the analysis, current accreditation number of the laboratory and identification of the national organism which has accredited the laboratory according to ISO Standard ISO/IEC 17025.
- Unique identification system of the report (such as serial number) which shall be marked on each page of the report
- Supplier name, address & contact person
- Material / product name & code
- Material / product color (name & code)
- Material composition
- Date of receipt of the product and date of performance of test
- Hazardous substances, for which the material/product has been tested for, detection or reporting limit and corresponding test results
- Test methods used for testing and respective pre-treatment: reference to international standards (ISO / JIS / IEC / CPSC /DIN / …), used procedure (including digestion methods and test instruments if any)
- Results shall be expressed in SI units according to ISO 1000 standard (ICS 01 060) as milligrams / kilogram (“mg/kg”) in samples tested and according to reference standard method.
- Results shall also include results from all quality assurance and quality control (QA/QC) tests, including results from blank test, and a list of reference materials used and their origin. Any details not specified in the reference standard which are optional, and any other factors potentially affecting the results shall also be communicated in the test reports. Any deviation, by agreement or otherwise, from the test procedure shall be specified.

Any corrections or additions to a test report after its issue shall be made only in a further document suitably marked, e.g. “Amendment/Addendum to test report serial number (or as otherwise identified)”, and shall meet the relevant requirements of the preceding paragraphs.

3.4 Testing Institutes

Testing Institutes / Accredited Third Party Assessment Body/third party laboratory must conduct testing according to specified testing procedures

All testing institutes must:

1. Be accredited to ISO Standard ISO/IEC 17025 entitled “General Requirements for the Competence of Testing and Calibration Laboratories” by national bodies recognized by ILAC (International Laboratory Accreditation Cooperation) or IAF (International Accreditation Forum);
2. Work according to internationally accepted quality control standards incl. gage calibration and therefore use appropriate validation procedures;
3. Apply for acceptance and registration with the U.S. Consumer Products Safety Commission (“CPSC”) by submitting a true copy of the accreditation and scope documents demonstrating compliance;
4. Comply with US Consumer Product Safety Improvement Act requirements in order to be considered an Accredited Third Party Assessment Body as detailed in Section 7.7 of the CPSIA guidelines.

Any other testing institutes which have been officially accredited and certified in accordance with ISO/IEC 17025 also can be used for testing. In this case, certificates of the testing institute should be sent to the Amer Sports Testing or Quality Manager or material compliance contact (see Appendix C).

The list of testing institutes accepted by Amer Sports can be obtained from Amer Sports category specific material compliance contacts.

3.4.1 Conflicting results between testing institutes

If there are conflicts due to different results from institutes, even though the supplier declared the materials were from the same source, Amer Sports will take a further sample for testing it in a neutral testing institute for further decision.

The test then should also provide information about the reason for the contamination, the raw material or facts during the production.

3.4.2 Exceptional exemption from using external testing institutes

Material suppliers who want to be exempted from delivering test reports issued by external testing institutes but from their own in-house testing lab need to meet the following conditions:

- Suppliers have to be certified in accordance with quality management standards ISO 9001.
- Suppliers have to operate their own material testing laboratory.
- Testing lab has to be certified in accordance with ISO/IEC 17025.

Official certificates confirming the compliance with these conditions shall be sent to the responsible Amer Sports material manager and the factory. In case of compliance, test reports issued by the

Supplier / Supplier lab shall be sent to the factory once a year and to be accepted by them, copy to the in-charged Amer Sports Office if requested.

3.5 Penalties for Non-Compliance

If any material is found to be non-compliant with the RSL, Amer Sports generally requires to put the respective materials under quarantine and requires suppliers to produce replacements at suppliers' expenses. The general procedure is as follows:

1. **STOP PRODUCTION**
2. **QUARANTINE** – non-compliant materials will be quarantined
3. **COMPLIANT ALTERNATIVE** – a compliant alternative will be found
4. **REPLACEMENT** – a replacement product (or material or component) will be produced (at suppliers' expense). Field replacement may also include labor and shipping charges.

Suppliers shall inform their Amer Sports material compliance contact (see Appendix C) in due course about non-compliances. Material compliance contacts will analyze which products and which suppliers are affected and how to further use, destroy or dispose non-compliant materials. Further details can be found in the testing procedures by category (see Section 3.6).

Continued missing or failure reports from the supplier will lead to a review of the business relationship and withdrawal from the Amer Sports supplier portfolio.

3.6 Material Compliance Audits

Amer Sports will audit suppliers to ensure compliance with the RSL. Any supplier who fails to provide evidence of compliance may be subject to the penalties above. Depending on the structure of manufacturing process, specific material compliance audit procedures are defined for each product category.

Amer Sports reserves the right to perform random tests by itself or by its authorized representatives at any time. Quantities/frequency of random tests on materials and products is up to the decision of Amer Sports.

4 Ethical Sourcing Requirements in addition to Chemicals Management

Amer Sports is committed to ethical sourcing practices. In addition to Chemical Management, Amer Sports imposes requirements regarding the source of materials and the conditions under which materials are produced or extracted.

4.1 Conflict Minerals

Conflict minerals are natural resources extract in conflict zones to finance (military) disputes. The most commonly mined conflict minerals are

- Tin
- Tungsten
- Tantalum
- Gold
- Cobalt

Amer Sports does not ban these materials in general. However, Amer Sports expects suppliers to conduct due diligence for materials extracted in Western Congo and other possible conflict-affected and high-risk areas to assure origin from smelters and refiners that are certified through e.g. the Responsible Minerals Assurance Process.

Since conflict minerals refer to a combination of a substance and its source (factory, smelter, or refiner), our RSL does not contain conflict minerals as such. Instead, our RSL lists prohibited substances irrespective of their origin of manufacturing / extraction.

4.2 Animal Welfare

Amer Sports brands require suppliers of animal-based materials to respect animal welfare and work towards traceability and responsibly sourced materials.

In its products Amer Sports will accept only:

- Leather or leather parts that originates solely from animals which have been used for meat production; and
- Wool or wool parts that originate solely from sheep which have not been subject to mulesing
- Down and feather that has been plucked from birds that are already dead, bred and slaughtered primarily for meat production.

Amer Sports' suppliers shall **not** use plants or animal materials identified by the

- Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES[4])
- International Union for Conservation of Nature (IUCN[5])

or any type of animal fur in manufacturing processes.

[4] See http://www.cites.org/eng/disc/species.php
[5] http://www.iucnredlist.org/

Table 1 outlines the minimum requirements for down, leather, and wool across all Amer Sports product categories / brands and the certificates that have to be provided prior bulk production.

Table 1: *Animal Welfare Material Requirements*

	Amer Sports Minimum Requirements
Down	• No live-plucking • No force-feeding
Wool	• Originates from sheep not subject to mulesing
Leather / Fur	• Peak Performance does not accept any fur or leather from animal origin • All other brands require that leather and fur originate solely from animals used for meat production

Amer Sports also expects its suppliers of animal-based materials to respect the five animal freedoms[6]. This sourcing practice is one of the key prerequisites in obtaining certificates according to the Responsible Down / Wool Standards.

For down, wool and leather, Amer Sports Apparel and Footwear suppliers must provide the certificates specified in **Table 2**. Amer Sports encourages suppliers of all other brands to follow these standards too.

Table 2: *Required Certificates for Down, Wool and Leather*

Standard	Certification Requirements
Responsible Down Standard (RDS)	Applicable to Arc'teryx and Peak Performance Apparel products
Responsible Wool Standard (RWS)	Applicable to Arc'teryx and Peak Performance Apparel products
Leather Working Group (LWG)	Applicable to Arc'teryx Apparel products Applicable to Salomon and Arc'teryx Footwear

All above-mentioned ethical principles also apply to mohair wool sourced from Angora sheep. Amer Sports will require suppliers to adhere to Textile Exchange's forthcoming mohair standard once available and accepts comparable standards until further notice. Additionally, Amer Sports prohibits the use of exotic leather.

[6] (1) freedom from hunger and thirst; (2) freedom from discomfort; (3) freedom from pain, injury or disease; (4) freedom to express normal behavior; (5) freedom from fear and distress.

4.3 Wood and Timber

As far as sourcing of wood and timber is concerned, Amer Sports is fully committed to compliance with the U.S. Lacey Act that has two major components:

- A ban on trading plants or plant products taken in violation of the laws or regulations of the country from which they are sourced.
- A requirement to declare the scientific name, value, quantity, and country of harvest origin for some products.

For further details, see original publication[7] from the United States Department of Agriculture.

Particleboard and plywood suppliers are required to be compliant to CARB and TSCA Title VI. Additionally, we encourage our suppliers to follow internationally recognized wood and timber standards like FSC, PEFC and the EU Timber Regulation.

4.4 Sandblasting

Amer Sports does not accept sandblasting as a production method for Apparel products to protect health and safety of workers across the apparel industry.

4.5 Nanotechnology

According to International Organization for Standardization's definition that has been adopted by the EU through the Commission Recommendation of 18 October 2011 on the definition of nanomaterial (2011/696/EU), a nanomaterial is defined as a "material with any external dimensions in the nanoscale or having internal structure or surface structure in the nanoscale. The term nanoscale is defined as size range from approximately 1 nm to 100 nm"[8].[9]

Due to the uncertainty of risk associated with using nanomaterials and to ensure that any potentially negative impacts to consumers and the environment related with the use of nanomaterials are minimized or ideally totally mitigated, Amer Sports currently requires the application of nanomaterials within all its Apparel products to be evaluated and approved prior use. This requirement applies to final products and/or components where nanomaterials are intentionally applied to or remains as residuals after manufacturing.

Prior to the use of nanomaterials in a specific Amer Sports products or any of its components/materials, the following criteria must be met

- Comply with legislations
- Disclose the reason for using nanomaterials
- Disclose detailed technical information on nanomaterials intended to be used by filling out the questionnaire listed in Appendix G

[7] See https://forestlegality.org/policy/us-lacey-act
[8] See https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32011H0696
[9] As one nanometer is one-billionth of a meter, nanomaterials are 10 times smaller than the diameter of a human hair.

Based on the information provided, Amer Sports will conduct a risk and toxicity review prior approval. If suppliers do not provide the required information the specific case will be considered as high risk and hence not be approved.

4.6 Fair and Safe Supply Chain

Amer Sports is dedicated to continuously improving its performance regarding labor, workplace conditions and environmental issues in its supply chain. The company aims to engage in business only with companies that meet its standards for ethical operations, and comply with the applicable laws and regulations for labor, workplace conditions and environmental compliance, as defined in the Amer Sports' Ethical Policy.

Amer Sports requires suppliers to be committed to its Ethical Policy which is reviewed and updated through various cooperations with major stakeholders (e.g. Non-Governmental Organizations). The Ethical Policy is embedded into the supplier agreement which suppliers have to sign prior doing business with Amer Sports.

As part of the Social and Labor Program, Amer Sports conducts third-party audits to help sourcing partners comply with industry standards, regulations, and Amer Sports' expectations with regards to health and safety, as well as its environmental and social responsibility.

Amer Sports employs audit results to drive continuous improvement and to derive strategic vendor development plans. For further details and the latest versions of the above-mentioned policies can be found on the Amer Sports extranet[10].

4.7 Environmental Management

Amer Sports reviews its global production and sourcing footprint to identify possibilities for improvements and to reduce its environmental impact.

To guide its Group-wide actions, Amer Sports has created environmental guidelines to outline the commitment to reduce the environmental impacts of its operations through the use of methods that are both responsible and economically sound. In addition, Amer Sports brands are responsible for their environmental actions, based on the common environmental guidelines.

Amer Sports is a member of the Sustainable Apparel Coalition (SAC) and use the Higg Index to measure progress on environmental impact within its supply chain. Amer Sports employs the Higg Facility and Environmental Module (FEM) as a self-assessment tool to measure suppliers' environmental impacts and identify areas for improvement. The goal is to fully integrate these worldwide-recognized tools into the everyday business of the brands but also to extend these tools to

- social and labor aspects and material sustainability
- other product categories than those ones originally in scope of SAC.

See Amer Sports extranet for further details[11]. Amer Sports already applies Higg FEM for softgoods and extends the approach gradually to hardgoods where possible.

[10] See https://www.amersports.com/sustainability/social/
[11] See https://www.amersports.com/sustainability/environment/

4.8 Transparency

As Amer Sports is committed to improve working conditions and mitigate environmental impact in its entire supply chain, upon request, Amer Sports suppliers shall disclose the factories and upstream suppliers which contribute to the manufacturing of Amer Sports finished goods, materials or components.

Amer Sports will use this information to drive continuous improvement in its supply chain. Amer Sports will disclose the information to applicable regulators and governmental bodies whenever required. Amer Sports shall not disclose this information publicly without prior approval of its suppliers.

Appendix A. Major Laws and Regulations

For better understanding, we have included the official regulations related to each of the substances asked to be tested. The main ones are listed below:

- **EU REACH Regulation:**
  Registration, Evaluation, Authorization, and Restriction of Chemical Substances (REACH) is a European regulation regarding safe use of chemicals. The European Chemical Agency (ECHA) maintains a list of Substances of Very High Concern (SVHC). Suppliers must be aware of the SVHC list as it grows and changes. You will be able to find the list of SVHC on ECHA's REACH website.
- **EU POP Regulation:**
  Persistent Organic Pollutants (POPs) are not easily biodegradable in the environment. They bio-accumulate through the food chain and pose a risk to human health and the environment. These substances are transported far from their sources, beyond national boundaries (transboundary pollution), even in areas where they have never been produced or used. The European Union POP regulation's objective is to take measures to eliminate or/and reduce the waste of POPs in the environment.
  Note: when a substance is being added on the POP list its correspondent entrance will be removed from REACH.
- **California Proposition 65 (CP65):**
  California Proposition 65 requires a warning label on products if the concentration of chemicals listed in this legislation (see https://oehha.ca.gov/proposition-65/proposition-65-list) exceed certain risk-based health limits. These limits are referred to as safe harbor levels and can be accessed via https://oehha.ca.gov/proposition-65/general-info/current-proposition-65-no-significant-risk-levels-nsrls-maximum. Phthalates, Formaldehydes, Flame-Retardants, and the Heavy Metals Lead and Cadmium are high-risk substances listed in CP65. Since these substances are potentially contained in our products we also have included them in our RSL (see Appendix). In general, Amer Sports requires suppliers to be compliant to California Proposition 65. If suppliers detect substances listed in CP65 in our products or materials/components to manufacture our products, suppliers are urged to contact Amer Sports so we can replace these substances prior market introduction or add a CP65-compliant warning label to these products.
  We have added the most significant/risky materials to our RSL.

- **Washington State: Children's Safe Products Act:**
  The US State of Washington's Children's Safe Product Act (WA CSPA) is a toxics reporting regulation. The Washington State Department of Ecology maintains a list of Chemicals of High Concern to Children (CHCC). Suppliers must be aware of the CHCC list as it grows and changes. A current list of CHCCs is posted on the Washington State of Department of Ecology's CSPA website.

Appendix B. Manufacturing RSL

To eliminate hazardous chemicals out of products and processes and promote safer alternatives, in the future, starting with apparel and footwear, we will adopt the Manufacturing Restricted Substances List (Manufacturing RSL (MRSL)) which referring to the MRSL developed by ZDHC or similar list.

The MRSL addresses hazardous substances are potentially used, discharged into environment and workers may be exposed during manufacturing process, it does not replace RSL and should be communicated to raw material suppliers.

The MRSL applies to chemicals used in finished goods manufacturing processes facilities, should be no intentional use the MRSL substances in facilities in the production.

There are different measures and tools of finding MRSL compliant formulations. The bluesign® bluefinder is one of the tools, a web-based search engine to help textile manufacturers find bluesign® approved chemical products which can be a support in sourcing MRSL compliant formulations.

For more details of ZDHC MRSL, please refer to https://mrsl.roadmaptozero.com/.

Appendix C. Amer Sports Material Compliance Contacts

Category / Department	Brand	Contact Person	E-mail Address
Ball Sports / R&D and Quality	Wilson, Louisville Slugger, DeMarini, EvoShield, Atec	Bob Thurman	bob.thurman@amersports.com
Ball Sports / Sourcing	Wilson, Louisville Slugger, DeMarini, EvoShield, Atec	Baseball: Pat Ryan; Golf: Jean-Pierre Degembe; Rackets: Chris Ryan; Team Sports: Alan Davenport	Pat.Ryan@Wilson.com; Jean-Pierre.Degembe@Wilson.com; Chris.Ryan@Wilson.com; Alan.Davenport@Wilson.com
Footwear / Quality	Salomon, Arc'teryx, Wilson	Jean-Yves Clavioz	Jean-yves.clavioz@amersports.com
Footwear / Sourcing	Salomon, Arc'teryx, Wilson	Celine Mazars	Celine.mazars@amersports.com
Apparel / Sourcing	Arc'teryx, Salomon, Atomic, Armada	Franco Fung	Franco.fung@amersports.com
Apparel	Salomon, Atomic, Armada	Eve Chang	Eve.chang@amersports.com
Apparel	Arc'teryx	Oliver Henkel	Oliver.Henkel@arcteryx.com
Apparel	Peak Performance	Åsa Andersson Terence Lo	asa.andersson@amersports.com terence.lo@amersports.com
Apparel	Ball Sports (Wilson, DeMarini)	Terence O'Brien / Gretchen Waterman	Terence.obrien@wilson.com Gretchen.Waterman@Wilson.com
Winter Sports Equipment	Salomon	Gilles Renaud-Goud	Gilles.renaud-goud@amersports.com
Winter Sports Equipment	Atomic, Armada, Volant	Helmut Holzer	Helmut.holzer@amersports.com
Suunto	Suunto	Generic sustainability email account, Michael Vilen	sustainability@suunto.com
Cycling	Enve	Scott Nelson	Scott.nelson@amersports.com

Vendor sustainability mailbox related to Material Compliance: aso.rsl@amersports.com

Legal Contacts

Region	Contact	E-mail Address
EMEA	Jutta Karlsson	Jutta.Karlsson@amersports.com
	Laurence Grollier	Laurence.grollier@amersports.com
Asia	Carol Chan	Carol.Chan@amersports.com
	Amy Gu	Amy.gu@amersports.com
Americas	Terence O'Brien	Terence.obrien@amersports.com

Appendix D. Amer Sports Material Compliance Certificate

We hereby acknowledge receipt of the Amer Sports Materials Compliance Policy (the "Policy") for the control and monitoring of hazardous substances - as far as our products are concerned - and certify that the products shipped to Amer Sports or any of their affiliates, agents and distributors or Amer Sports suppliers with effect from _____ (the "Effective Date", dd/mm/yyyy) will be free of those "hazardous substances" listed in the Policy, which may be amended by Amer Sports from time to time.

We understand and agree that compliance with the Policy is a condition to every purchase order of Amer Sports.

We understand and agree that Amer Sports reserves the right but has not the obligation, to test any ordered finished product, material or component at any time and/or any stage of production.

We agree to keep available for at least ten years from the delivery of every Amer Sports purchase order all information regarding substances used for the manufacture of Amer Sports' orders.

We agree to be held liable, indemnify and hold harmless Amer Sports against all and any claims, losses, liabilities, expenses and damages, including reasonable attorney fees and costs sustained by Amer Sports or any of their affiliates, agents, distributors caused by our failure to comply with the Policy.

The undersigned is an owner, director, officer or otherwise authorized to agree to and sign this certificate on behalf of the company below.

Acknowledged and agreed:

Company: _____ Company Stamp:

Address: _____

_____

Country: _____

Position: _____

Name: _____

Signature: _____ Date: _____

To be sent to the appropriate Amer Sports contact person as specified in Appendix C and to the Vendor Sustainability Team.

Appendix E. REACH Certificate of Compliance

We hereby certify that the products shipped to Amer Sports or any of their affiliates, agents and distributors or Amer Sports suppliers with effect from _____ (the "Effective Date", dd/mm/yyyy) are compliant with the EU REACH, (Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals) regulation entered into force on June 1, 2007 which applies to chemicals manufactured in the EU/EEA or being imported into the EU/EEA.

We understand and agree that compliance with REACH regulation is a condition to every purchase order of Amer Sports.

We certify that we do not directly import chemicals (either as substances or preparations of substances) to the EU/EEA. All products and packaging delivered to Amer Sports are exclusively defined as articles as defined by REACH Article 3.3 and the European Chemicals Agency (ECHA) guidance material. Given those conditions products delivered to Amer Sports are exempt from REACH registration activities as substances or substances in preparations.

Further, we represent that products delivered to Amer Sports are articles that are not designed to release any substance under normal and reasonably predictable application scenarios during their lifecycle. Substances in Amer Sports products are thus exempted from registration under Article 7.1.

The candidate list of Substances of Very High Concern (SVHC) that are candidates for authorization to be considered is the latest updated version available on ECHA website (https://echa.europa.eu/candidate-list-table).

We understand that more substances shall be included regularly to this SVHC by the European Chemicals Agency and that it is our responsibility to always check the relevance of a substance for the products we are delivering to Amer Sports.

We certify that products and packaging delivered to Amer Sports meet the REACH Compliance requirements as defined by European Community Regulation (EC) 1907/2006. In case, for selected high-risk substances, Amer Sports has imposed stricter limits compared to REACH, we confirm to adhere to these limits as specified in the respective RSLs (see Appendix H and Appendix I).

We hereby represent to communicate the REACH requirements to suppliers of raw materials, components, substances and/or preparations used in Amer Sports products so that Amer Sports or any subsidiary can report information regarding Amer Sports products when required by the EU regulations/authorities and be in compliance with the REACH regulation. We will continue to assess and monitor substances in our components and products in order to assure compliance with REACH. Should any of the substances contained within our products or components and that can be found in a concentration higher than 0.1% weight/weight per component in the future be included in the candidate list or later on in the Annex XIV, we will in accordance with Article 33 to communicate with Amer Sports about the alternative plans.

We understand that the purpose of this certificate is to provide authorities, distributors and retailers with consistent information regarding management of Amer Sports product compliance with the REACH regulation.

We understand and agree that Amer Sports reserves the right but has not the obligation, to test any ordered finished product, material or component at any time and/or any stage of production.

We agree to keep available for at least ten years from the delivery of every Amer Sports purchase order all information regarding substances used for the manufacture of Amer Sports' orders.

We agree to be held liable, indemnify and hold harmless Amer Sports against all and any claims, losses, liabilities, expenses and damages, including reasonable attorney fees and costs sustained by Amer Sports or any of their affiliates, agents, distributors caused by our failure to comply with the European REACH regulation.

The undersigned is an owner, director, officer or otherwise authorized to agree to and sign this certificate on behalf of the company below.

Acknowledged and agreed:

Company: _____ Company Stamp:

Address: _____

_____

Country: _____

Position: _____

Name: _____

Signature: _____ Date: _____

To be sent to the appropriate Amer Sports contact person as specified in Appendix C and the Vendor Sustainability Team.

Appendix F. Suunto Full Material Declaration

Full Material Declaration (FMD)

Verification of restricted substances have traditionally been done with testing. Testing is an expensive and time-consuming way to do the verification and challenging to manage, especially for electronic products with complex structures and high number of components. Thus, Suunto has decided to start collecting Full Material Declarations of all components used in its products.

The Full Material Declaration of a component is the chemical recipe of the component. It lists all substances the component consists of. With this data it is possible to verify the compliance against applicable requirements of the RSL. The data can also be used as a risk management tool and we can assess compliance prior to new regulations.

With this approach Suunto and partners in the supply chain are better prepared for changes in regulations and able to ensure compliance on all levels. Suppliers' burden of verification reduces by providing Full Material Declarations especially for complex regulations e.g. California Proposition 65 and EU REACH.

Full Material Data Collection

Suunto has authorized GreenSoft Technology, Inc. to collect Full Material Data for the components used in Suunto products. Suunto suppliers will be contacted by GreenSoft Technology, Inc. for the collection of data. The data will be kept up to date during the life cycle of the product which means that suppliers will be asked for updates.

Suunto suppliers will be requested to deliver following data by GreenSoft:

- Full Material Disclosure (FMD)
- RoHS 2(2015/863/EU and 2011/65/EU) Certificate of Compliance (CoC)
- REACH Declaration including SVHC substances

Testing

In situations when supplier is unable to provide above mentioned data and information Suunto might require testing of the component(s) according to the test methods specified in RSL.

Appendix G. Risk Assessment of Nanomaterials

Suppliers of products that may contain nanomaterials shall provide this questionnaire. See Section 4.5 for the definition of nanomaterials.

Introduction

Please provide as detailed answers as possible using all of your available information for each endpoint section below. Please write your answers per endpoint on a separate document which you enclose.

If there is no information available, please indicate with (X) below.

If the endpoint is irrelevant, please indicate with (X) below and provide a written explanation in the "comments" column regarding why this particular endpoint is irrelevant.

Characteristics of Nano-Sized Materials

Nanomaterial Information / Identification	No data available	Irrelevant	Comments
Nanomaterial name			
CAS Number			
Structural formula/molecular structure			
Composition of Nano material (including degree of purity, known impurities or additives)			
Basic morphology			
Description of surface chemistry (e.g. coating, modification…)			
Major commercial uses			
Known catalytic activity			
Method of production (e.g. precipitation, gas phase…)			
Other relevant identification data			

Nanomaterial Information / Identification	No data available	Irrelevant	Comments
Agglomeration/ aggregation			
Water solubility/ Dispersibility			
Crystalline phase			
Dustiness			
Crystallite size			
Representative Electron Microscopy (TEM) picture(s) (if available, please enclose).			
Particle size distribution – dry and in relevant media			
Specific surface area			
Surface chemistry (where appropriate)			
Photo catalytic activity			
Pour density			
Porosity			
Octanol-water partition coefficient, where relevant			
Redox potential			
Radical formation potential			
Other relevant Physical-Chemical Properties and Material Characterization information (please specify if available).			

Environmental Fate	No data available	Irrelevant	Comments
Agglomeration/ aggregation			
Dispersion stability in water			
Biotic degradability			
Ready biodegradability			
Inherent biodegradability			
Simulation testing on ultimate degradation in surface water			
Soil simulation testing			
Sediment simulation testing			
Sewage treatment simulation testing			
Identification of degradation product(s)			
Abiotic Degradability and Fate			
Adsorption- desorption			
Adsorption to soil or sediment			
Bioaccumulation potential			
Other relevant environmental fate information (please specify if available)			

Environmental Toxicology	No data available	Irrelevant	Comments
Effects on pelagic specie (short term/long term)			
Effects on sediment species (short term/long term)			
Effects on soil species (short term/long term)			
Effects on terrestrial species			
Effects on microorganisms			
Effects on activated sludge at WWTP			
Other relevant information (please specify if available)			

Mammalian Toxicology	No data available	Irrelevant	Comments
Pharmacokinetics/ Toxicokinetics (ADME)			
Acute toxicity			
Repeated dose toxicity			
Chronic toxicity			
Reproductive toxicity			
Developmental toxicity			
Genetic toxicity			
Experience with human exposure			
Other relevant test data (please specify if available)			

Material Safety	No data available	Irrelevant	Comments
Flammability			
Explosivity			
Incompatibility			

Source: (OECD, Series on the Safety of Manufactured Nanomaterials No. 27, LIST OF MANUFACTURED NANOMATERIALS AND LIST OF ENDPOINTS FOR PHASE ONE OF THE SPONSORSHIP PROGRAMME FOR THE TESTING OF MANUFACTURED NANOMATERIALS: REVISION, 1st of December 2010)

CONFORMITY STATEMENT

The undersigned is an owner, director, officer or otherwise authorized to agree to and sign this certificate on behalf of the company below to hereby confirm that the information provided in this document is consistent with the current state-of-the-art for

Product: _____

Acknowledged and agreed:

Company: _____ Company Stamp:

Address: _____

_____

Country: _____

Position: _____

Name: _____

Signature: _____ Date: _____

Appendix H. Amer Sports Restricted Substance List for Apparel

Amer Sports is a bluesign system partner and uses the bluesign RSL for its Apparel products apart from Peak Performance. Please refer to

- the original bluesign website[12] for the latest RSL version for all Apparel brands apart from Peak Performance
- Peak Performance website[13] for their latest RSL version
- the material testing matrix listed subsequently.

To satisfy Amer Sports requirements, suppliers shall test for higher risk chemicals in materials. Lower risk chemicals are recommended for additional testing and may be required at brands' discretion.

The Testing Matrix indicates the following color codes:

1	1: Higher Risk. Testing strongly recommended.
2	2: Lower Risk. Testing recommended.
	Blank: Substances or group of substances with high probability not relevant.

[12] See https://www.bluesign.com/downloads

[13] See Peak Performance website https://admin-emea.peakperformance.com/media/wysiwyg/Peak_Performance_Restricted_Substance_List_2021.pdf

Amer Sports RSL Testing Matrix for Apparel products																				
Substances (Limit value according to bluesign RSL)		Natural Fibers	Synthetic Fibers	Natural & Synthetic Blends	Artificial Leather	Genuine Leather	Natural Materials	Metals	Porcelain, Ceramic, Glass..etc.	Feathers & Down	Polymers									Coatings & Prints
											EVA	PU Foam	PU & TPU	Rubber	Poly-carbonate	ABS	PVC*	Other Foams, Plastics & Polymers	
Amines	Aniline	2	2	2	2	2	2													2
Arylamines		1[A]	1[A]	1[A]	1[A]	1[A]	1[A]			1[A]										1[A]
Colorants			1[A]	1[A]	1[A]															2[A]
Heavy metals - Total Content	Lead (Pb)	2		2	1	2		1	1[B]		1	1	1	1	1	1	1	1	1	1
	Cadmium (Cd)	2		2	1	2		1	1		1	1	1	1	1	1	1	1	1	1
	Chromium VI (Cr VI)					1														
Heavy metals - Extractable	Lead (Pb)	1	1	1	2	1		2			2	2	2	2	2	2	2	2	2	2
	Cadmium (Cd)	1	1	1	2	1		2			2	2	2	2	2	2	2	2	2	2
	Arsenic (As)	1	1	1	2	1		2			2	2	2	2	2	2	2	2	2	2
	Antimony (Sb)	1	1	1	2	1		2			2	2	2	2	2	2	2	2	2	2
	Mercury (Hg)	1	1	1	2	1		2			2	2	2	2	2	2	2	2	2	2
	Nickel (Ni)	1	1	1	2	1		2			2	2	2	2	2	2	2	2	2	2
	Chromium (Cr)	1	1	1	2	1														
	Chromium VI (Cr VI)	1	1	1	2	1														
	Cobalt (Co)	1	1	1	2	1		2			2	2	2	2	2	2	2	2	2	2
	Copper (Cu)	1	1	1	2	1					2	2	2	2	2	2	2	2	2	2
Heavy metals - Release	Nickel (Ni)							1								1[C]				
Alkylphenols and Alkyphenols ethoxylated (APEO and AP)		1	1	1	1	1	1			1	1	1	1	1	1	1	1	1	1	1
Chlorinated Phenols		2	2	2		2	1[Wood]													
Biocides	Ortophenylphenol (OPP)	2	2	2		1														
Flame retardants (if material declared with functional finishing)		2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]
Chlorinated parrafins	Short-chain Chlorinated Paraffins (SCCPs) (C10-C13)				2	1					2	2	1	1	2	2	1	2		
	Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)				2	1					2	2	1	1	2	2	1	2		
Tin Organic Compounds			2	2	1	2						1	1	1			1	1	1	
Perfluoroalkyl sulfonic acids and derivatives	PFSA		1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]
	PFCA		1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]
Plasticizers					1						1	1	1	1	2	2	1	1	1	

Substances (Limit value according to bluesign RSL)		Natural Fibers	Synthetic Fibers	Natural & Synthetic Blends	Artificial Leather	Genuine Leather	Natural Materials	Metals	Porcelain, Ceramic, Glass..etc.	Feathers & Down	Polymers								Coatings & Prints
											EVA	PU Foam	PU & TPU	Rubber	Poly-carbonate	ABS	PVC*	Other Foams, Plastics & Polymers	
Polycyclic Aromatic Hydrocarbons (PAHs)					2						1[F]	1[F]	1[F]	1			1[F]	1[F]	1[F]
Chlorinated benzenes and toluenes			2	2	2														
UV Stabilizers	UV-320										2	2	2	2	2	2	2	2	
	UV-327										2	2	2	2	2	2	2	2	
	UV-328										2	2	2	2	2	2	2	2	
	UV-350										2	2	2	2	2	2	2	2	
Solvents	Toluene				2						2	2	2	2	2	2	2	2	2
pH value		1	1	1	1	1													
Aldehydes	Formaldehyde	1	1	1	2	1	1[G]							2					1
Biocides	Dimethylfumarate (DMFu)	1[H]	1[H]	1[H]	1[H]	1[H]	1[H]				1[H]	1[H]	1[H]	1[H]	1[H]	1[H]	1[H]	1[H,L]	
Isocyanates			1[J]	1[J]	1[J]								1[J]						
Other Chemical Subs.	Formamide										1							2	
Solvents	N,N-Dimethylformamide (DMFa)				1							1	1						1[K]
Solvents	N,N-Dimethylacetamide (DMAC)				1							2	2					2	2
Solvents	1-Methyl-2-Pyrrolidone (NMP)				1							2	2					2	2
Other Chemical Subs.	Bisphenol A (BPA)										2	2	2	2	1	2	2	2	
Other Chemical Subs.	Quinoline		2	2															
Polymers	Polyvinyl Chloride (PVC)				2														2
Pesticides		2		2		2	2												
Biocides (NA)	2-Chloroacetamide	1		2	2	2	2												
	5-Chloro-2-Methyl-4-Isothiazoline-3-one (CIT)	1		2	2	2	2												
	2-Mercaptobenzothiazole	1		2	2	2	2												
	2-Methyl-4-Isothiazolin-3-one	1		2	2	2	2												
	2-n-Octyl-4-isothiazolin-3-one	1		2	2	2	2												
	Permethrin	1		2	2	2	2												
	Polybrominated Naphthalenes	2	2	2	2	2					2	2	2	2	2	2	2	2	

Substances (Limit value according to bluesign RSL)		Natural Fibers	Synthetic Fibers	Natural & Synthetic Blends	Artificial Leather	Genuine Leather	Natural Materials	Metals	Porcelain, Ceramic, Glass..etc.	Feathers & Down	Polymers								Coatings & Prints
											EVA	PU Foam	PU & TPU	Rubber	Poly-carbonate	ABS	PVC*	Other Foams, Plastics & Polymers	
Halogenated Biphenyls, Halogenated Terphenyls and Halogenated Naphthalenes	Polybrominated Terphenyls	2	2	2	2	2					2	2	2	2	2	2	2	2	
	Polychlorinated Biphenyls (PCB)	2	2	2	2	2					2	2	2	2	2	2	2	2	
	Polychlorinated Naphthalenes (PCN)	2	2	2	2	2					2	2	2	2	2	2	2	2	
	Polychlorinated Terphenyls (PCT)	2	2	2	2	2					2	2	2	2	2	2	2	2	
	Halogenated Diarylalkanes	2	2	2	2						2	2	2	2	2	2	2	2	

1	1 : Higher Risk. Testing strongly recommended
2	2 : Lower Risk. Testing recommended
	Blank : Substances or group of substances with high probability not relevant

Note

***:** PVC is prohibited to use in all Amer Sports footwear, packaging and food contact products. In addition, Amer Sports prefers all products do not contain PVC and supports efforts to phase-out PVC.

A: For dyed/colored materials

B: Crystal is exempted

C: Metallic coating part on polymers (usually on ABS), accelerated wear and corrosion test is not required

D: If Flame Retardant use or contamination is suspected.

E: If a Fluorinated finish is applied. (e.g. DWR or non-stick coating)

F: Dark color polymeric materials.

G: Paper, Cork

H: Whenever a product does have a fungizide application

J: For PU

K: For PU based materials.

L: For Desiccant, Silica gel

M: For Poly bags

N: For soft polymeric, coating materials

Appendix I. Amer Sports Restricted Substance List for Products other than Apparel

For all other products than Apparel, Amer Sports partnered with laboratories and experts to define the Restricted Substance List which consists of two parts as follows:

1. Restricted Substance List: List of individual restricted substances that are banned or restricted in Amer Sports' non-apparel products. Limit values are derived from laws and regulations in individual countries or by Amer Sports sustainability goals whichever is most rigid.
2. Testing Matrix: The recommended testing approach that needs to be applied to materials or finished goods, incl. required limit values and recommended testing methods.

To satisfy Amer Sports requirements, suppliers shall test for higher risk chemicals in materials. Lower risk chemicals are recommended for additional testing and may be required at brands' discretion.

The Testing Matrix indicates the following color codes:

1	1: Higher Risk. Testing strongly recommended.
2	2: Lower Risk. Testing recommended.
	Blank: Substances or group of substances with high probability not relevant.
	Dark grey: Prohibited for any application in Amer Sports products.

Amer Sports Restricted Substance List for Non-Apparel products (20 Oct. 2021)						
Substances		**Abbreviation**	**CAS N°**	**Limit**	**Countries and regulation names**	**Changes compare to previous RSL**
1. Amines						
1.1	Aniline		62-53-3	<50 mg/kg children <20 mg/kg leather <100 mg/kg	Oeko Tex Standard 100 / US Washington CHCC	
2. Azo Dyes/Aromatic Amines						
2.1	4-Aminobiphenyl		92-67-1	<20 mg/kg	EU REACH Annex XVII / Swiss Regulation / China GB Standard / Taiwan Regulation / Korea KC Mark / Turkey Regulation / Vietnam Regulation / India Regulation / Indonesia Regulation / Australia Voluntary Restriction / Oeko Tex Standard / Japan Law No 112	
2.2	Benzidine		92-87-5			
2.3	4-Chloro-o-toluidine		95-69-2			
2.4	2-Naphtylamine		91-59-8			
2.5	o-Aminoazotoluene		97-56-3			
2.6	5-nitro-o-toluidine		99-55-8			
2.7	p-Chloroaniline		106-47-8			
2.8	2,4-Diaminoanisole		615-05-4			
2.9	4,4'-Diaminodiphenylmethane	MDA	101-77-9			
2.10	3,3'-Dichlorobenzidine		91-94-1			
2.11	3,3'-Dimethoxybenzidine		119-90-4			
2.12	3,3'-Dimethylbenzidine		119-93-7			
2.13	3,3'-Dimethyl-4,4'-diaminobiphenylmethane		838-88-0			
2.14	p-Cresidine		120-71-8			
2.15	4,4'-Methylene-bis-(2-chloroaniline)	MOCA	101-14-4			
2.16	4,4'-Oxydianiline		101-80-4			
2.17	4,4'-Thiodianiline		139-65-1			
2.18	o-Toluidine		95-53-4			
2.19	2,4-Diaminotoluene		95-80-7			
2.20	2,4,5-trimethylaniline		137-17-7			
2.21	o-Anisidine (2-Methoxyanilin)		90-04-0			
2.22	4-Aminoazobenzene		60-09-3			
2.23	2,6-Xylidine		87-62-7			
2.24	2,4-Xylidine		95-68-1			
2.25	4-chloro-o-toluidinium chloride		3165-93-3	<20 mg/kg	EU REACH Annex XVII Entry 72 (textiles, and related accessories), Oeko Tex Standard 100, Oeko Tex Leather Standard	Limit value updated to 20 mg/kg from 30 mg/kg
2.26	2-Naphthylammoniumacetate		553-00-4			
2.27	4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate		39156-41-7			
2.28	2,4,5-trimethylaniline hydrochloride		21436-97-5			
3. Dyes, Forbidden & Disperse						
3.1	C.I. Disperse Blue 1		2475-45-8	<50 mg/kg	Korea safety quality mark for textiles (underwear and childrens' products), EU REACH Annex XVII Entry 72, OEKO-TEX 100, Egyptian law	
3.2	C.I. Disperse Blue 3		2475-46-9			
3.3	C.I. Disperse Blue 7		3179-90-6			
3.4	C.I. Disperse Blue 26		3860-63-7			
3.5	C.I. Disperse Blue 35		12222-75-2			New added
3.6	C.I. Disperse Blue 35A		56524-77-7			
3.7	C.I. Disperse Blue 35B		56524-76-6			
3.8	C.I. Disperse Blue 102		12222-97-8			
3.9	C.I. Disperse Blue 106		12223-01-7 (68516-81-4)			
3.10	C.I. Disperse Blue 124		61951-51-7 (15141-18-1)			
3.11	C.I. Disperse Brown 1		23355-64-8			
3.12	C.I. Disperse Orange 1		2581-69-3			
3.13	C.I. Disperse Orange 3		730-40-5			
3.14	C.I. Disperse Orange 11		82-28-0			
3.15	C.I. Disperse Orange 37/76/59		12223-33-5 / 13301-61-6 / 51811-42-8			New added
3.16	C.I. Disperse Orange 149		85136-74-9			
3.17	C.I. Disperse Red 1		2872-52-8			
3.18	C.I. Disperse Red 11		2872-48-2			
3.19	C.I. Disperse Red 17		3179-89-3			
3.20	C.I. Disperse Yellow 1		119-15-3			
3.21	C.I. Disperse Yellow 3		2832-40-8			
3.22	C.I. Disperse Yellow 7		6300-37-4			New added
3.23	C.I. Disperse Yellow 9		6373-73-5			
3.24	C.I. Disperse Yellow 23		6250-23-3			
3.25	C.I. Disperse Yellow 39		12236-29-2			
3.26	C.I. Disperse Yellow 49		54824-37-2			
3.27	C.I. Disperse Yellow 56		54077-16-6			New added
3.28	Acid Red 26		3761-53-3			
3.29	Basic Red 9		569-61-9			
3.30	C.I. Basic Green 4		569-64-2 / 2437-29-8 / 10309-95-2			
3.31	C.I. Basic Violet 3 with ≥ 0,1 % of Michler's ketone (EC no. 202-027-5)		548-62-9			
3.32	Basic Violet 14		632-99-5			
3.33	Direct Black 38		1937-37-7			
3.34	Direct Blue 6		2602-46-2			
3.35	Direct Red 28		573-58-0			
3.36	C.I. Direct Brown 95		16071-86-6			
3.37	4-Dimethylaminoazobenzene (Solvent Yellow 2)		60-11-7			

Substances		Abbreviation	CAS N°	Limit	Countries and regulation names	Changes compare to previous RSL
3.38	C.I. Solvent Blue 4		6786-83-0			New added
3.39	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol		561-41-1			
3.40	Basic Blue 26		2580-56-5			
4. Dyes, Navy Blue (Blue Colorant)						
4.1	Component 1: $C_{39}H_{23}ClCrN_7O_{12}S.2Na$ (EC No. 405-665-4)		118685-33-9	<20 mg/kg	REACH Annex XVII Entry 43, Norway, Egypt, and Switzerland: ORRChem textiles annex 1.13 (Art.3)	Limit value updated to 20 mg/kg from Not detected (3 mg/kg)
4.2	Component 2: $C_{46}H_{30}CrN_{10}O_{20}S_2.3Na$ (EC No. 405-665-4)		Not allocated			
5. Heavy Metals total content						
5.1	Lead	Pb	7439-92-1	<90 mg/kg Glass/ Crystal is excluded	USA CPSIA, California Prop 65, China GB/T 39498, Switzerland ORRChem, Korea safety quality mark for leather products, USA Illinois 410 ILCS 45, EU REACH Annex XVII, Danish Statutory Order No 856	
5.2	Cadmium	Cd	7440-43-9	<40 mg/kg	China GB/T 39498, California Prop 65, EU REACH Annex XVII, Korea safety quality mark, USA Washington 70.240 RCW	
5.3	Arsenic	As	7440-38-2	<100 mg/kg Wood: Not Detected	Swiss SR 817.023.41 Article 22, GB 30585, Oeko Tex Standard 100, Oeko Tex Leather Standard	Limit value amended to 100 mg/kg; Added the requirement for wood
5.4	Mercury	Hg	7439-97-6	<0.5 mg/kg	OEKO-TEX	New added
5.5	Chromium VI	Cr(VI)	18540-29-9	<0.5 mg/kg Leather <3 mg/kg	EU REACH Annex XVII, German Ordinance on Commodities, Turkey KKDIK, Taiwan CNS 15331, Oeko Tex Leather Standard, Swiss Chem RRV 814.81 Article 3 Annex 2.16, China GB/T 39498	Limit value updated
6. Heavy Metals - Extractable						
6.1	Lead	Pb	7439-92-1	<1 mg/kg children <0.2 mg/kg	Oeko Tex Standard 100, Oeko Tex Leather Standard	
6.2	Cadmium	Cd	7440-38-2	<0.1 mg/kg		
6.3	Arsenic	As	7440-38-2	<1 mg/kg children <0.2 mg/kg		
6.4	Antimony	Sb	7440-36-0	<30 mg/kg		
6.5	Mercury	Hg	7439-97-6	<0.02 mg/kg		
6.6	Nickel	Ni	7440-02-0	<1 mg/kg		Limit value updated
6.7	Chromium	Cr	7440-47-3	< 2mg/kg (textile); < 200 mg/kg (leather) Children < 1mg/kg (textile); < 2mg/kg (leather)		
6.8	Chromium VI	Cr(VI)	18540-29-9	Textile < 0.5 mg/kg		
6.9	Cobalt	Co	7440-48-4	< 4 mg/kg Children < 1mg/kg		
6.10	Copper	Cu	7440-50-8	< 50mg/kg Children < 25mg/kg *inorganic material is not applicable		Exemption added
6.11	Barium	Ba	7440-39-3	<1000 mg/kg		
6.12	Selenium	Se	7782-49-2	<100 mg/kg		
7. Heavy Metals - Migration /Soluble						
7.1	Lead	Pb	7439-92-1	<90 mg/kg	Korea Common Safety Standards for Children's Products, Taiwan CNS 15331, China GB 28480	
7.2	Cadmium	Cd	7440-38-2	<75 mg/kg, children<40 mg/kg		Children requirement added
7.3	Chromium	Cr	7440-47-3	children <60 mg/kg		
7.4	Antimony	Sb	7440-36-0	children <60 mg/kg		
7.5	Arsenic	As	7440-38-2	children <25 mg/kg		
7.6	Mercury	Hg	7439-97-6	children <60 mg/kg		
7.7	Selenium	Se	7782-49-2	children <500 mg/kg		
7.8	Barium	Ba	7440-39-3	children <1000 mg/kg		
8. Heavy Metals - Release						
8.1	Nickel release	Ni	7440-02-0	Metal/ coating material <0.5µg/cm²/week (contact with skin) / <0.2µg/cm²/week (piercings)	EU REACH Annex XVII, China GB 28480, Korea safety quality mark, Turkey KKDIK, Taiwan CNS 15978	
9. Alkylphenols and Alkyphenols ethoxylated (APEO and AP)						
9.1	Nonylphenol (NP), mixed isomers	NP	various	NP+OP<100 mg/kg NPEO+OPEO<100 mg/kg	EU REACH Annex XVII & SVHC, Turkey KKDIK, Taiwan CNS 15290, Oeko Tex Standard 100, Oeko Tex Leather Standard, Korea Safety Confirmation Act	Requirement updated
9.2	Octylphenol (OP), mixed isomers	OP	various			
9.3	Nonylphenol ethoxylates (NPEOs)	NPEOs	various			
9.4	Octylphenol ethoxylates (OPEOs)	OPEOs	various			
10. Chlorinated Phenols						
10.1	Pentachlorophenols	PCP	87-86-5	<0.5 mg/kg, children <0.05 mg/kg, Wood <5 mg/kg	Swiss Chem RRV 814.81, Oeko Tex Standard 100, Oeko Tex Leather Standard, German Gefahrstoff Verordnung, Denmark Statutory Order No 420:1996, Netherlands Commodities Act, Norway Product Regulation, Austrian Federal Law Gazette No 58/1991, EU POPs, China GB 25036, GB 25038	Added the requirement for wood
10.2	2,3,5,6 Tetrachlorophenol	TeCP	935-95-5	<0.5 mg/kg children <0.05 mg/kg		
10.3	2,3,4,6 Tetrachlorophenol	TeCP	58-90-2			
10.4	2,3,4,5 Tetrachlorophenol	TeCP	4901-51-3			
10.5	2,3,4 Trichlorophenol	TriCP	15950-66-0	<2 mg/kg children <0.2 mg/kg		
10.6	2,3,5 Trichlorophenol	TriCP	933-78-8			
10.7	2,3,6 Trichlorophenol	TriCP	933-75-5			
10.8	2,4,5 Trichlorophenol	TriCP	95-95-4			
10.9	2,4,6 Trichlorophenol	TriCP	88-06-2			
10.10	3,4,5 Trichlorophenol	TriCP	609-19-8			
10.11	2,4-Dichlorophenol, free	DCP	120-83-2	<3 mg/kg children <0.5 mg/kg		
10.12	2,3-Dichlorophenol, free	DCP	576-24-9			
10.13	2,5-Dichlorophenol, free	DCP	583-78-8			
10.14	2,6-Dichlorophenol, free	DCP	87-65-0			
10.15	3,4-Dichlorophenol, free	DCP	95-77-2			
10.16	3,5-Dichlorophenol, free	DCP	591-35-5			
10.17	4-Chlorophenol, free	MCP	106-48-9	<3 mg/kg children <0.5 mg/kg		
10.18	2-Chlorophenol, free	MCP	95-57-8			
10.19	3-Chlorophenol, free	MCP	108-43-0			

Substances		Abbreviation	CAS N°	Limit	Countries and regulation names	Changes compare to previous RSL
10.20	Ortophenylphenol	OPP	90-43-7	<25 mg/kg, children <10 mg/kg Leather: <750 mg/kg, children < 250mg/kg Leather: direct skin contact <100 mg/kg		
11. Flame retardants						
11.1	Polybrominated biphenyles	PBB	various	Not detected D.L. 5 mg/kg	EU REACH Annex XVII, EU POPs, Norway Product Regulation Chapter 2 Section 2-7, Japan Law No 112, Turkey KKDIK, Turkey POPs, Swiss Chem RRV 814.81, Oeko Tex Standard 100, Oeko Tex Leather Standard, Canada Consumer Product Safety Act, California Proposition 65	
11.2	Tris-(2,3-dibromopropyl)-phosphate	TRIS	126-72-7	Not detected D.L. 5 mg/kg		
11.3	Tris-(aziridinyl)-phosphinoxide	TEPA	545-55-1	Not detected D.L. 5 mg/kg		
11.4	Pentabromodiphenylether	pentaBDE	32534-81-9	Not detected D.L. 5 mg/kg		
11.5	Octabromodiphenylether	octaBDE	32536-52-0	Not detected D.L. 5 mg/kg		
11.6	Decabromodiphenylether	decaBDE	1163-19-5	Not detected D.L. 5 mg/kg		
11.7	Hexabromocyclododecane	HBCDD	25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	Not detected D.L. 5 mg/kg		
11.8	Tetrabromodiphenylether	TetraBDE	various	Not detected D.L. 5 mg/kg		
11.9	Heptabromodiphenylether	heptaBDE	various	Not detected D.L. 5 mg/kg		
11.10	Hexabromodiphenylether	hexaBDE	various	Not detected D.L. 5 mg/kg		
11.11	All other Polybrominated diphenyl ethers	PBDEs	various	Not detected D.L. 5 mg/kg		
11.12	Tetrabrombisphenol A	TBBP A	79-94-7	Not detected D.L. 5 mg/kg		
11.13	2,2-bis(bromomethyl)-1,3-propanediol	BBMP	3296-90-0	Not detected D.L. 5 mg/kg		
11.14	Trixylyl phosphate	TXP	25155-23-1	Not detected D.L. 5 mg/kg		
11.15	Bis(2,3-dibromopropyl) phosphate	BDBPP	5412-25-9	Not detected D.L. 5 mg/kg		
11.16	Tri-o-cresyl phosphate		78-30-8	Not detected D.L. 5 mg/kg		
11.17	Diboron Trioxide		1303-86-2	Not detected D.L. 5 mg/kg		
11.18	Antimony trioxide	Sb_2O_3	1309-64-4	Not detected D.L. 5 mg/kg		
11.19	Antimony pentoxide	Sb_2O_5	1314-60-9	Not detected D.L. 5 mg/kg		
11.20	Boric Acid		10043-35-3, 11113-50-1	Not detected D.L. 5 mg/kg		
11.21	Zinc borate salts		1332-07-6, 12767-90-7	Not detected D.L. 5 mg/kg		
11.22	Disodium octaborate		12008-41-2	Not detected D.L. 5 mg/kg		
11.23	Disodium tetraborate anhydrous		12179-04-3, 1303-96-4, 1330-43-4	Not detected D.L. 5 mg/kg		
11.24	Tetraboron disodium heptaoxide hydrate		12267-73-1	Not detected D.L. 5 mg/kg		
11.25	Disodium Tetraborate (Anhydrous)		1330-43-4	Not detected D.L. 5 mg/kg		
11.26	Tris-(1,3-chloro-2-propyl)phosphate	TDCPP	13674-87-8	Not detected D.L. 5 mg/kg		
11.27	Tris (1-chloro-2-propyl)phosphate	TCPP	13674-84-5	Not detected D.L. 5 mg/kg		
11.28	Tris(2-chloroethyl)phosphate	TCEP	115-96-8	Not detected D.L. 5 mg/kg		
11.29	Decabromodiphenyl ethane	DBDPE	84852-53-9	Not detected D.L. 5 mg/kg	AFIRM/ bluesign RSL	New added
12. Chlorinated paraffins						
12.1	Short-chain Chlorinated Paraffins (SCCPs) (C10-C13)	SCCP	85535-84-8	SCCP: Plastic / Coating <50 mg/kg Leather <50 mg/kg Textile <50 mg/kg SCCP + MCCP: Non-leather< 50 mg/kg	EU POPs / Oeko Tex Standard 100/ Singapore Regulation / Swiss Regulation	
12.2	Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)	MCCP	85535-85-9			
13. Organotin Compounds						
13.1	Monobutyltin (MBT)	MBT	78763-54-9	Each <2 mg/kg, children <1 mg/kg	EU REACH Annex XVII / Swiss Regulation / Korea KC Mark / Turkey Regulation / Oeko Tex Standard / Japan Law No 112	
13.2	Monooctyltin (MOT)	MOT	15231-57-9			
13.3	Monomethyltin (MMT)	MMT	16408-15-4			
13.4	Monophenyltin (MPhT)	MPhT	2406-68-0			
13.5	Dimethyltin (DMT)	DMT	23120-99-2			
13.6	Dibutyltin (DBT)	DBT	1002-53-5			
13.7	Diphenyltin (DPhT)	DPhT	1135-99-5			
13.8	Dipropyltin (DPT)	DPT	2406-60-2			
13.9	Dioctyltin (DOT)	DOT	15231-44-4			
13.10	Tricyclohexyltin (TCyT)	TCyT	6056-50-4			
13.11	Trioctyltin (TOT)	TOT	250252-89-2			
13.12	Tripropyltin (TPT)	TPT	761-44-4			
13.13	Trimethyltin (TMT)	TMT	1631-73-8			
13.14	Tetrabutyltin (TeBT)	TeBT	1461-25-2			
13.15	Tetraethyltin (TeET)	TeET	597-64-8			
13.16	Tetraoctyltin compounds	TeOT	various			New added
13.17	Tributyltin (TBT)	TBT	56573-85-4	<0.5 mg/kg		
13.18	Triphenyltin (TPhT)	TpHT	668-34-8	<0.5 mg/kg		
14. Perfluorinated and Polyfluorinated Chemicals (PFCs)						
14.1 PFOS and its Derivatives						
14.1.1	Perfluorooctanesulfonic acid	PFOS	1763-23-1	<1 µg/m²	EU POPs, Swiss Chem RRV 814.81, Canada CEP, Norway Product Regulation, Oeko Tex Standard 100	
14.1.2	N-Ethylperfluoro-1-octanesulfonamide	N-Et-FOSA	4151-50-2			
14.1.3	N-Methylperfluoro-1-octanesulfonamide	N-Me-FOSA	31506-32-8			
14.1.4	2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol	N-Et-FOSE	1691-99-2			
14.1.5	2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol	N-Me-FOSE	24448-09-7			
14.1.6	Perfluoro-1-octanesulfonyl fluoride	POSF/ PFOSF	307-35-7			
14.1.7	Perfluorooctane sulfonamide	PFOSA	754-91-6			
14.1.8	Perfluorooctanesulfonic acid, potassium salt	PFOS-K	2795-39-3			
14.1.9	Perfluorooctanesulfonic acid, lithium salt	PFOS-Li	29457-72-5			
14.1.10	orooctanesulfonic acid, ammonium salt	PFOS-NH_4	29081-56-9			
14.1.11	Perfluorooctane sulfonate diethanolamine salt	PFOS-$NH(OH)_2$	70225-14-8			
14.1.12	Perfluorooctanesulfonic acid, tetraethylammonium salt	PFOS-$N(C_2H_5)_4$	56773-42-3			

Substances		Abbreviation	CAS N°	Limit	Countries and regulation names	Changes compare to previous RSL
14.1.13	Didecyldimethylammonium perfluorooctane sulfonate	PFOS-$N(C_{10}H_{21})_2(CH_3)_2$	251099-16-8			
14.1.14	2H,2H-Perfluorodecane Acid	H2PFDA	-		Amer Sports / Footwear RSL	
14.2 PFOA and its Salts						
14.2.1	Perfluorooctanic acid	PFOA	335-67-1	<25 µg/kg	EU POPs, Swiss Chem RRV 814.81, Canada CEP, Norway Product Regulation, Oeko Tex Standard 100, Japan Chemical Substances Control Law, EU REACH SVHC	New added
14.2.2	Silver perfluorooctanoate	PFOA-Ag	335-93-3			
14.2.3	Sodium perfluorooctanoate	PFOA-Na	335-95-5			
14.2.4	Perfluorooctanoyl fluoride	PFOA-F	335-66-0			
14.2.5	Potassium perfluorooctanonate	PFOA-K	2395-00-8			
14.2.6	Ammonium pentadecafluorootanoate	APFO	3825-26-1			
14.3 PFOA Related Substances						
14.3.1	2H,2H,3H,3H-perfluoroundecanoate	H4PFUnA	34598-33-9	<1000 µg/kg	EU POPs, AFIRM	
14.3.2	1H,1H,2H,2H-Perfluoro-1-decanol	8:2 FTOH	678-39-7			
14.3.3	1H,1H,2H,2H-Perfluorododecyl acrylate	10:2 FTA	17741-60-5			
14.3.4	Methyl perfluorooctanoate	PFOA-Me	376-27-2			
14.3.5	Ethyl perfluorooctanonate	PFOA-Et	3108-24-5			
14.3.6	1H,1H,2H,2H Perfluorodecane sulfonic Acid	8:2 FTS	39108-34-4			
14.3.7	1H,1H,2H,2H-Perfluorodecyl acrylate	8:2 FTA	27905-45-9			
14.4 Other PFCs						
14.4.1	Perfluoroheptane acid	PFHpA	375-85-9	<100 µg/kg	Oeko Tex Standard 100	
14.4.2	Perfluorobutanoic acid	PFBA	375-22-4	<100 µg/kg		
14.4.3	Perfluoropentanoic acid	PFPeA	2706-90-3	<100 µg/kg		
14.4.4	Perfluoro(3,7-dimethyloctanoic acid)	PF-3,7-DMOA	172155-07-6	<100 µg/kg		
14.4.5	Perfluorobutane sulfonic acid	PFBS	375-73-5	<100 µg/kg		
14.4.6	Perfluoroheptane sulfonic acid	PFHpS	375-92-8	<100 µg/kg		
14.4.7	Henicosafluorodecane sulfonic acid	PFDS	335-77-3	<100 µg/kg		
14.4.8	7H-Perfluoro heptanoic acid	7HPFHpA	1546-95-8	Under Observation		
14.4.9	1H,1H,2H,2H-Perfluorooctane sulfonic acid	1H, 1H, 2H, 2H-PFOS	27619-97-2	Under Observation		
14.4.10	1H,1H,2H,2H-Perfluoro-1-hexanol	4:2 FTOH	2043-47-2	<100 µg/kg		
14.4.11	1H,1H,2H,2H-Perfluoro-1-octanol	6:2 FTOH	647-42-7	<100 µg/kg		
14.4.12	1H,1H,2H,2H-Perfluoro-1-dodecanol	10:2 FTOH	865-86-1	<100 µg/kg		
14.4.13	1H,1H,2H,2H-Perfluorooctyl acrylate	6:2 FTA	17527-29-6	<100 µg/kg		
14.4.14	Perfluorohexanoic acid	PFHxA	307-24-4	<100 µg/kg		
14.4.15	Perfluorohexane sulfonic acid	PFHxS	355-46-4	<100 µg/kg		
14.4.16	Perfluorononane acid	PFNA (C9)	375-95-1	<100 µg/kg	Oeko Tex Standard 100, EU REACH Annex XVII ((EU) 2021/1297)	New limit value effective from 2023: 25 ppb (the sum of the six PFCAs and their salts) or 260 ppb (the sum of C9-C14 PFCA-related substances)
14.4.17	Perfluorodecane acid	PFDA (C10)	335-76-2	<100 µg/kg		
14.4.18	Henicosafluoroundecanoic acid	PFUdA (C11)	2058-94-8	<100 µg/kg		
14.4.19	Tricosafluorododecanoic acid	PFDoA (C12)	307-55-1	<100 µg/kg		
14.4.20	Pentacosafluorotridecanoic acid	PFTrA (C13)	72629-94-8	<100 µg/kg		
14.4.21	Heptacosafluorotetradecanoic acid	PFTeA (C14)	376-06-7	<100 µg/kg		
15. Phthalates						
15.1	Di-(2-ethylhexyl)-phthalate	DEHP	117-81-7	Sum <500 mg/kg Each <50 mg/kg	EU REACH Annex XVII, Denmark Denmark Statutory Order, Swiss Regulation, US CPSIA Regulation, Canada CCPSA Regulation, China GB Standard, Taiwan CNS, Korea KC Mark, Turkey KKDIK, Oeko Tex Standard 100	Requirement updated
15.2	Butylbenzylphthalate	BBP	85-68-7			
15.3	Dibutylphthalate	DBP	84-74-2			
15.4	Di-iso-butylphthalate	DIBP	84-69-5			
15.5	Di-iso-nonylphthalate	DINP	28553-12-0 / 68515-48-0			
15.6	Di-n-octylphthalate	DNOP	117-84-0			
15.7	Di-isodecylphthalate	DIDP	26761-40-0 / 68515-49-1			
15.8	Diisohexyl phthalate	DIHxP	71850-09-4			
15.9	Dipropyl phthalate	DPRP	131-16-8			
15.10	Diisooctyl phthalate	DIOP	27554-26-3			
15.11	Dinonyl phthalate	DNP	84-76-4			
15.12	Dicyclohexyl phthalate	DCHP	84-61-7			
15.13	1,2-Benzenedicarboxylic acid, di-C7-11 …	DHNUP	68515-42-4			
15.14	N-Pentyl-isipentylphthalate	nPIPP	776297-69-9			
15.15	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	DHxP	68515-50-4			
15.16	dimethyl phthalate	DMP	131-11-3			
15.17	diethylphthalate	DEP	84-66-2			
15.18	Di-n-hexyl phthalate	DnHP	84-75-3			
15.19	1,2-benzenedicarboxylic acid; di-C 6-8-branched alkylesters, C 7-rich	DIHP	71888-89-6			
15.20	Bis(2-methoxyethyl) phthalate	DMEP	117-82-8			
15.21	Di-iso-pentylphthalate	DIPP	605-50-5			
15.22	Di-n-pentylphtalate	DnPP	131-18-0			
15.23	1,2-Benzenedicarboxylic acid Dipentyl ester, branched and linear	DPP	84777-06-0			
15.24	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters; 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters		68648-93-1 / 68515-51-5			
16. Polycyclic Aromatic Hydrocarbons (PAHs)						
16.1	Benzo[a]anthracene (BaA)	BaA	56-55-3			
16.2	Chrysene (CHR)	CHR	218-01-9			

Substances		Abbreviation	CAS N°	Limit	Countries and regulation names	Changes compare to previous RSL
16.3	Benzo[b]fluoranthene (BbF)	BbF	205-99-2	Each of below 8 PAHs: Benzo[a]pyrene, Benzo[e]pyrene, Benzo[a]anthracene, Chrysene, Benzo[b]fluoranthene, Benzo[j]fluoranthene, Benzo[k]fluoranthene, Dibenzo[a,h]anthracene. < 1 mg/kg Children < 0.5 mg/kg Napthalene < 2 mg/kg Sum of 24 PAHs: < 10 mg/kg Children < 5 mg/kg	EU REACH Annex XVII, Germany - GS Mark, OEKO-TEX Standard 100	
16.4	Benzo[j]fluoranthene (BjF)	BjF	205-82-3			
16.5	Benzo[k]fluoranthene (BkF)	BkF	207-08-9			
16.6	Benzo[a]pyrene (BaP)	BaP	50-32-8			
16.7	Benzo[e]pyrene (BeP)	BeP	192-97-2			
16.8	Dibenzo[a,h]anthracene (DBA)	DBA	53-70-3			
16.9	Naphthalene (NAP)	NAP	91-20-3		Germany - GS Mark,OEKO-TEX Standard 100	
16.10	Acenaphthylene (ANY)	ANY	208-96-8			
16.11	Acenaphthene (ANA)	ANA	83-32-9			
16.12	Fluorene (FLU)	FLU	86-73-7			
16.13	Phenanthrene (PHE)	PHE	85-01-8			
16.14	Anthracene (ANT)	ANT	120-12-7			
16.15	Fluoranthene (FLT)	FLT	206-44-0			
16.16	Pyrene (PYR)	PYR	129-00-0			
16.17	Indeno[1,2,3-cd]pyrene (IPY)	IPY	193-39-5			
16.18	Benzo[g,h,i]perylene (BPE)	BPE	191-24-2			
16.19	Cyclopenta[c,d]pyrene		27208-37-3		EU Scientific Committee for Food / OEKO-TEX Standard 100	
16.20	Dibenzo[a,e]pyrene		192-65-4			
16.21	Dibenzo[a,h]pyrene		189-64-0			
16.22	Dibenzo[a,i]pyrene		189-55-9			
16.23	Dibenzo[a,l]pyrene		191-30-0			
16.24	1-Methylpyrene		2381-21-7			
17. Chlorinated benzenes and toluenes						
17.1	1,2-Dichlorobenzene		95-50-1	Sum <1 mg/kg	EU REACH Annex XVII, OEKO-TEX Standard 100	
17.2	3,5-Dichlorotoluene		25186-47-4			New added
17.3	2,3,4-Trichlorotoluene		7359-72-0			
17.4	2,3,5-Trichlorotoluene		56961-86-5			
17.5	2,4,6-Trichlorotoluene		23749-65-7			
17.6	3,4,5-Trichlorotoluene		21472-86-6			
17.7	2-Chlorotoluene		95-49-8			
17.8	3-Chlorotoluene		108-41-8			
17.9	4-Chlorotoluene		106-43-4			
17.10	2,3-Dichlorotoluene		32768-54-0			
17.11	2,4-Dichlorotoluene		95-73-8			
17.12	2,5-Dichlorotoluene		19398-61-9			
17.13	2,6-Dichlorotoluene		118-69-4			
17.14	3,4-Dichlorotoluene		95-75-0			
17.15	2,3,6-Trichlorotoluene		2077-46-5			
17.16	2,4,5-Trichlorotoluene		6639-30-1			
17.17	2,3,4,5-Tetrachlorotoluene		1006-32-2 / 6057-12-0			
17.18	2,3,4,6-Tetrachlorotoluene		875-40-1			
17.19	2,3,5,6-Tetrachlorotoluene		1006-31-1 / 29733-70-8			
17.20	Pentachlorotoluene		877-11-2			
17.21	Monochlorobenzene		108-90-7			
17.22	1,3-Dichlorobenzene		541-73-1			
17.23	1,4-Dichlorobenzene		106-46-7			
17.24	1,2,3-Trichlorobenzene		87-61-6			
17.25	1,2,4-Trichlorobenzene		120-82-1			
17.26	1,3,5-Trichlorobenzene		108-70-3			
17.27	1,2,3,4-Tetrachlorobenzene		634-66-2			
17.28	1,2,3,5-Tetrachlorobenzene		634-90-2			
17.29	1,2,4,5-Tetrachlorobenzene		95-94-3			
17.30	Pentachlorobenzene		608-93-5			
17.31	Hexachlorobenzene		118-74-1			
17.32	p-Chlorobenzotrichloride		5216-25-1			
17.33	Benzotrichloride		98-07-7			
17.34	Benzyl Chloride		100-44-7			
18. Nitrosamines (for Footwear)						
18.1	N-Nitrosodimethylamine	NDMA	62-75-9	<0.5 mg/kg each	China GB 25036 (Rubber Shoes)	
18.2	N-Nitrosodiethylamine	NDEA	55-18-5			
18.3	N-Nitrosodipropylamine	NDPA	621-64-7			
18.4	N-Nitrosodibutylamine	NDBA	924-16-3			
18.5	N-Nitrosopiperidine	NPIP	100-75-4			
18.6	N-Nitrosopyrrolidine	NPYR	930-55-2			
18.7	N-Nitrosomorpholine	NMOR	59-89-2			
18.8	N-Nitroso-N-methylaniline	NMPhA	614-00-6			
18.9	N-Nitroso-N-ethylaniline	NEPhA	612-64-6			
19. UV Stabilizers						
19.1	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol	UV-320	3846-71-7	<1000 mg/kg	EU REACH SVHC / Oeko Tex Standard 100	
19.2	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	UV-327	3864-99-1			
19.3	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol	UV-328	25973-55-1			
19.4	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol	UV-350	36437-37-3			
20. Volatile organic compounds (VOCs)						
20.1	Benzene		71-43-2	<5 mg/kg	EU REACH XVII	
20.2	Carbon Disulfide		75-15-0			
20.3	Carbon Tetrachloride		56-23-5			

Substances		Abbreviation	CAS N°	Limit	Countries and regulation names	Changes compare to previous RSL
20.4	Chloroform		67-66-3	< 1000 mg/kg	EU REACH XVII, EU (EC) No 1005/2009, Germany - Chemikalienverbot, Verordnung (Prohibition of Chemicals Ordinance), section 16, Japan Law for the Control of Household Products Containing Harmful Substances	New Added
20.5	Cyclohexanone		108-94-1			
20.6	1,2-Dichloroethane		107-06-2			
20.7	1,1-Dichloroethylene		75-35-4			
20.8	Ethylbenzene		100-41-4			
20.9	Pentachloroethane		76-01-7			New Added
20.10	1,1,1,2- Tetrachloroethane		630-20-6			
20.11	1,1,2,2- Tetrachloroethane		79-34-5			
20.12	Tetrachloroethylene (PERC)		127-18-4			New Added
20.13	Toluene		108-88-3			
20.14	1,1,1- Trichloroethane		71-55-6			
20.15	1,1,2- Trichloroethane		79-00-5			New Added
20.16	Trichloroethylene		79-01-6			
20.17	Xylenes (meta-, ortho-, para-)		1330-20-7 / 108-38-3 / 95-47-6 /106-42-3			
20.18	Phenol		108-95-2	< 50mg/kg Children < 20 mg/kg	OEKO-TEX standard 100	
21. Miscellaneous						
21.1	pH Value	pH	-	Textile: 4.0-7.5 (Direct Skin Contact) 4.0-9.0 (Indirect Skin Contact) Leather: 3.5-7.5	Oeko Tex Standard 100, Oeko Tex Leather Standard, Korean Common Safety Standards for Children's Products, China GB 18401, GB 25036, GB 25038	
21.2	Formaldehyde		50-00-0	<75 mg/kg (direct skin contact) <300 mg/kg (no direct skin contact) Children <16 mg/kg Wood <80 mg/kg (Formaldehyde Release)	Japan Law112 China GB 18401, GB 20400, OEKO-TEX standard 100, German Bedarfsgegenständeverordnung, Finland Regulation, Netherlands Commodities Act, Norway Product Regulation Chapter 2 Section 2-10, EU REACH Annex XVII, Taiwan CNS 15290, Vietnam 37/2015/TT-BCT	Added the requirement for wood
21.3	Dimethylfumarate	DMFu	624-49-7	Not detected (<0,1 mg/kg)	EU REACH Annex XVII, Korea safety quality mark, China GB 30585-2014 (children footwear), Taiwan CNS 15331, Swiss Chem RRV 814.81	
21.4	Vinyl chloride monomer	VCM	75-01-4	<1 mg/kg (PVC, synthetic leather)	CHINA GB 21550, GB 24429	Limit value updated to 1 mg/kg from 5 mg/kg
21.5	Isocyanates		Varies	MDI / HDI: 1 ppm (free); 50 ppm (blocked) IPDI / TMXDI: 1 ppm (free); 100 ppm (blocked) TDI: 1 ppm (free); 15 ppm (blocked)	Amer Sports / Footwear RSL	
21.6	Formamide		75-12-7	<200 mg/kg	OEKO-TEX standard 100	
21.7	N,N-Dimethylacetamide	DMAC	127-19-5	<500 mg/kg <1000 mg/kg for materials made of PAN, EL, PU and araides, coated textiles	EU REACH Annex XVII; Oeko-Tex Standard 100; US California Proposition 65	
21.8	N,N-Dimethylformamide	DMFa	68-12-2	<500 mg/kg <1000 mg/kg for materials made of PAN, EL, PU and araides, coated textiles <50mg/kg for DMFa free PU coating		
21.9	1-Methyl-2-Pyrrolidone	NMP	872-50-4	< 500 mg/kg <1000 mg/kg for materials made of PAN, EL, PU and araides, coated textiles		
21.10	Bisphenol A	BPA	80-05-7	Usage ban <1 mg/kg Usage Ban <0.1 mg/kg (food contact)	Amer Sports; (EU) No. 10/2011	Limit value updated to 1 mg/kg; Added the requirement for food contact material
21.11	Quinoline		91-22-5	<50 mg/kg	EU REACH Annex XVII Entry 72	
21.12	Dibutylhydroxytoluene	BHT	128-37-0	<25 mg/kg	Amer Sports	Added the requirement for packaging material
21.13	Polyvinyl Chloride	PVC	9002-86-2	PVC is prohibited from using in all Amer Sports footwear, packaging and food contact products. In addition, Amer Sports prefers all products do not contain PVC and supports efforts to phase-out PVC.	Amer Sports	New requirement for PVC material
22. Pesticides and Herbicides, Agricultural						
22.1	2,4,5-trichlorophenoxyacetic acid, its salts and compounds	2,4,5-T	93-76-5			
22.2	2,4-Dichlorophenoxy acetic acid	2,4-D	94-75-7			
22.3	Aldrine		309-00-2			
22.4	Azinophosmethyl		86-50-0			
22.5	Azinophosethyl		2642-71-9			
22.6	Bromophos-ethyl		4824-78-6			
22.7	Diazinone		333-41-5			
22.8	Dichloroprop		120-36-5			
22.9	Dicrotophos		141-66-2			
22.10	Dieldrine		60-57-1			
22.11	Dimethoate		60-51-5			
22.12	Dinoseb, its salts and acetate		88-85-7			
22.13	Isodrine		465-73-6			
22.14	Kelevane		4234-79-1			
22.15	Kepone		143-50-0			
22.16	Lindane		58-89-9			
22.17	Malathione		121-75-5			
22.18	MCPA		94-74-6			
22.19	MCPB		94-81-5			
22.20	Captafol		2425-06-1			
22.21	Carbaryl		63-25-2			
22.22	Chlorbenzilat		510-15-6			
22.23	Chlordane		57-74-9			

Substances		Abbreviation	CAS N°	Limit	Countries and regulation names	Changes compare to previous RSL
22.24	Chlordimeform		6164-98-3	Sum of all <1 mg/kg; Children <0.5 mg/kg	EU POPs, Swiss Chem RRV 814.81 Article 3 Annex 1.1, Oeko Tex Standard 100	
22.25	Chlorfenvinphos		470-90-6			
22.26	Coumaphos		56-72-4			
22.27	Cyfluthrin		68359-37-5			
22.28	Cyhalothrin		91465-08-6			
22.29	Cypermethrin		52315-07-8			
22.30	S,S,S-Tributyl phosphorotrithioate (Tribufos)		78-48-8			
22.31	Deltamethrin		52918-63-5			
22.32	Dichlorodiphenyldichloroethane	DDD	53-19-0 / 72-54-8			
22.33	Dichlorodiphenyldichloroethylene	DDE	3424-82-6 / 72-55-9			
22.34	Dichlorodiphenyltrichloroethane	DDT	50-29-3 / 789-02-6			
22.35	Endosulfan		115-29-7			
22.36	Endosulfan I (alpha)		959-98-8			
22.37	Endosulfan II (beta)		33213-65-9			
22.38	Endrine		72-20-8			
22.39	Esfenvalerate		66230-04-4			
22.40	Ethylparathione; Parathion		56-38-2			
22.41	Fenvalerate		51630-58-1			
22.42	Heptachlor		76-44-8			
22.43	Heptachloroepoxide		1024-57-3			
22.44	Mecoprop		93-65-2			
22.45	Metamidophos		10265-92-6			
22.46	Methoxychlor		72-43-5			
22.47	Mirex		2385-85-5			
22.48	Monocrotophos		6923-22-4			
22.49	Parathion-methyl		298-00-0			
22.50	Phosdrin/Mevinphos		7786-34-7			
22.51	Perthane		72-56-0			
22.52	Propethamphos		31218-83-4			
22.53	Profenophos		41198-08-7			
22.54	Quinalphos		13593-03-8			
22.55	Quintozene		82-68-8			
22.56	Strobane		8001-50-1			
22.57	Telodrine		297-78-9			
22.58	Toxaphene		8001-35-2			
22.59	Trifluraline		1582-09-8			
22.60	Clothianidin		210880-92-5			
22.61	Dinotefuran		165252-70-0			
22.62	Imidacloprid (ISO)		105827-78-9 / 138261-41-3			
22.63	Phosphamidon		13171-21-6			
22.64	Thiamethoxam		153719-23-4			
22.65	Tiacloprid		111988-49-9			
22.66	Hexachlorobutadiene		87-68-3			
22.67	Hexachlorocyclohexane (HCH, all isomers)		608-73-1			
22.68	Acetamiprid		135410-20-7 / 160430-64-8			
22.69	Aldicarb		116-06-3			
22.70	Nitenpyram		150824-47-8			
22.71	2-(2,4,5-trichlorophenoxy) propionic acid, its salts and compounds	2,4,5-TP	93-72-1	<0.5 mg/kg		New added
22.72	Hexachlorocyclohexane, all isomers	HCH	608-73-1			
22.73	4, 6-Dichloro-7 (2,4,5-trichlorophenoxy) -2-Trifluoro methyl benz imidazole	DTTB	63405-99-2	<30 mg/kg	Japan Law No 112	Limit value updated
22.74	Dicofol		115-32-2	Under Observation	OEKO-TEX standard 100	Limit value updated
22.75	Chlorthalonil		1897-45-6			
22.76	Tolylfluanide		731-27-1			
22.77	Carbendazim		10605-21-7			
22.78	Dichlorophene / Dichlorophen		97-23-4			
22.79	Metam-sodium / Metam-Natrium		137-42-8			
22.80	Silafluofen		105024-66-6			
23. Biocides						
23.1	2-Chloroacetamide		79-07-2	<50 mg/kg	Amer Sports / Footwear RSL	
23.2	5-Chloro-2-Methyl-4-Isothiazoline-3-one (CIT)	CIT	26172-55-4	<50 mg/kg		
23.3	2-Mercaptobenzothiazole (MBT)	MBT	149-30-4	<50 mg/kg		
23.4	2-Methyl-4-Isothiazolin-3-one	MIT	2682-20-4	<50 mg/kg		
23.5	2-n-Octyl-4-isothiazolin-3-one	OIT	26530-20-1	<50 mg/kg		
23.6	Permethrin		52645-53-1	<50 mg/kg		
24. Halogenated Biphenyls, Halogenated Terphenyls and Halogenated Naphthalenes						
24.1	Polybrominated Naphthalenes		Various	Usage ban <10 mg/kg	EU POPs, Canada SOR/2012-285, Swiss ChemRRV Art. 3 Appendix 1.1	New added
24.2	Polybrominated Terphenyls		Various			
24.3	Polychlorinated Biphenyls*	PCB	1336-36-3 / 53469-21-9			
24.4	Polychlorinated Naphthalenes*	PCN	Various			
24.5	Polychlorinated Terphenyls	PCT	61788-33-8			
24.6	Halogenated Diarylalkanes*		Various			
***24.3 Polychlorobiphenyls (PCB)**						

Substances		Abbreviation	CAS N°	Limit	Countries and regulation names	Changes compare to previous RSL
24.3.1	2,4,4'-trichlorobiphenyl	PCB 28	7012-37-5	Usage ban <10 mg/kg	EU POPs Regulation (EC) No. 850/2004	New added
24.3.2	2,2',5,5'-tetrachlorobiphenyl	PCB 52	35693-99-3			
24.3.3	3,3',4,4'-tetrachlorobiphenyl	PCB 77	32598-13-3			
24.3.4	3,4,4',5-tetrachlorobiphenyl	PCB 81	70362-50-4			
24.3.5	2,2',4,5,5'-pentachlorobiphenyl	PCB 101	37680-73-2			
24.3.6	2,3,3',4,4'-pentachlorobiphenyl	PCB 105	32598-14-4			
24.3.7	2,3,4,4',5-pentachlorobiphenyl	PCB 114	74472-37-0			
24.3.8	2,3',4,4',5-pentachlorobiphenyl	PCB 118	31508-00-6			
24.3.9	2',3,4,4',5-pentachlorobiphenyl	PCB 123	65510-44-3			
24.3.10	3,3',4,4',5-pentachlorobiphenyl	PCB 126	57465-28-8			
24.3.11	2,2',3,4,4',5'-hexachlorobiphenyl	PCB 138	35065-28-2			
24.3.12	2,2',4,4',5,5'-hexachlorobiphenyl	PCB 153	35065-27-1			
24.3.13	2,3,3',4,4',5-hexachlorobiphenyl	PCB 156	38380-08-4			
24.3.14	2,3,3',4,4',5'-hexachlorobiphenyl	PCB 157	69782-90-7			
24.3.15	2,3',4,4',5,5'-hexachlorobiphenyl	PCB 167	52663-72-6			
24.3.16	3,3',4,4',5,5'-hexachlorobiphenyl	PCB 169	32774-16-6			
24.3.17	2,2',3,4,4',5,5'-heptachlorobiphenyl	PCB 180	35065-29-3			
24.3.18	2,3,3',4,4',5,5'-heptachlorobiphenyl	PCB 189	39635-31-9			
*24.4 Polychloronaphthalenes (PCN)						
24.4.1	2-chloronaphthalene		91-58-7	Usage ban <10 mg/kg	EU POPs Regulation (EC) No. 850/2004	New added
24.4.2	1,2-dichloronaphthalene		20250-69-3			
24.4.3	1,2,3-trichloronaphthalene		50402-52-3			
24.4.4	1,2,3,4-tetrachloronaphthalene		20020-02-4			
24.4.5	1,2,3,5,7-pentachloronaphthalene		53555-65-0			
24.4.6	1,2,3,4,5,6-hexachloronaphthalene		58877-88-6			
24.4.7	1,2,3,4,5,6,7-heptachloronaphthalene		58863-14-2			
24.4.8	Octachloronaphthalene		2234-13-1			
*24.6 Halogenated Diarylalkanes						
24.6.1	Monomethyl-dibromo-diphenyl methane		99688-47-8	Usage ban <10 mg/kg		Listed in Flame Retardant subgroup in Amer Sports RSL 2020
24.6.2	Monomethyl-dichloro-diphenyl methane		81161-70-8			
24.6.3	Monomethyl-tetrachloro-diphenyl methane		76253-60-6			
25. Asbestos						
25.1	Actinolite		77536-66-4	Not Detected	EU REACH Annex XVII, US TSCA	New Added
25.2	Amosite		12172-73-5			
25.3	Anthophyllite		77536-67-5			
25.4	Chrysotile		12001-29-5			
25.5	Crocidolite		12001-28-4			
25.6	Tremolite		77536-68-6			
26. Dioxins and furans						
26.1	1,2,3,7,8-pentachlorodibenzo-p-dioxin	*Group 1	40321-76-4	Sum of Group 1: 1 µg/kg Sum of Group 1 & 2: 5 µg/kg Sum of Group 1, 2 & 3: 100 µg/kg Sum of Group 4: 1 µg/kg Sum of Group 4 & 5: 5 µg/kg	European Union POPs Regulation (EC) No. 850/2004, Germany ChemikalienverbotsVO	New Added
26.2	2,3,4,7,8-pentachlorodibenzo-furan	*Group 1	57117-31-4			
26.3	2,3,7,8-tetrachlorodibenzo-furan	*Group 1	51207-31-9			
26.4	2,3,7,8-tetrachlorodibenzo-p-dioxin	*Group 1	1746-01-6			
26.5	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	*Group 2	39227-28-6			
26.6	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	*Group 2	57653-85-7			
26.7	1,2,3,6,7,8-hexachlorodibenzofuran	*Group 2	57117-44-9			
26.8	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	*Group 2	19408-74-3			
26.9	1,2,3,7,8,9-hexachlorodibenzofuran	*Group 2	72918-21-9			
26.10	1,2,3,7,8-pentachlorodibenzofuran	*Group 2	57117-41-6			
26.11	2,3,4,6,7,8-hexachlorodibenzofuran	*Group 2	60851-34-5			
26.12	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	*Group 3	35822-46-9			
26.13	1,2,3,4,6,7,8-heptachlorodibenzofuran	*Group 3	67562-39-4			
26.14	1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin	*Group 3	3268-87-9			
26.15	1,2,3,4,6,7,8,9-octachlorodibenzofuran	*Group 3	39001-02-0			
26.16	1,2,3,4,7,8,9-heptachlorodibenzofuran	*Group 3	55673-89-7			
26.17	1,2,3,7,8-pentabromodibenzo-p-dioxin	*Group 4	109333-34-8			
26.18	2,3,4,7,8-pentabromodibenzofuran	*Group 4	131166-92-2			
26.19	2,3,7,8-tetrabromodibenzofuran	*Group 4	67733-57-7			
26.20	2,3,7,8-tetrabromodibenzo-p-dioxin	*Group 4	50585-41-6			
26.21	1,2,3,4,7,8-hexabromdibenzo-p-dioxin	*Group 5	110999-44-5			
26.22	1,2,3,6,7,8-hexabromodibenzo-p-dioxin	*Group 5	110999-45-6			
26.23	1,2,3,7,8-pentabromodibenzofuran	*Group 5	107555-93-1			
26.24	1,2,3,7,8,9-hexabromodibenzo-p-dioxin	*Group 5	110999-46-7			
27. Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)						
27.1	Lead	Pb	7439-92-1	<1000 mg/kg	EU RoHS (Directive 2011/65/EU), Japan JIS C 0950, Taiwan CNS 15663	
27.2	Cadmium	Cd	7440-43-9	<100 mg/kg		
27.3	Mercury	Hg	7439-97-6	<1000 mg/kg		
27.4	Chromium VI	Cr VI	18540-29-9	<1000 mg/kg		
27.5	Polybrominated biphenyl	PBBs	Various	<1000 mg/kg		
27.6	Polybrominated diphenyl ether	PBDEs	Various	<1000 mg/kg		
27.7	Butyl benzyl phthalate	BBP	85-68-7	<1000 mg/kg		
27.8	Dibutyl phthalate	DBP	84-74-2	<1000 mg/kg		
27.9	Di(ethylhexyl) phthalate	DEHP	117-81-7	<1000 mg/kg		
27.10	Diisobutyl phthalate	DiBP	84-69-5	<1000 mg/kg		
28. Packaging and Packaging Waste						

Substances		Abbreviation	CAS N°	Limit	Countries and regulation names	Changes compare to previous RSL
28.1	Lead	Pb	7439-92-1	Sum <100 mg/kg	EU Directive 94/62/EC, US Model Toxics in Packaging Legislation - Toxics in Packaging Clearing House (TPCH)	
28.2	Cadmium	Cd	7440-43-9			
28.3	Mercury	Hg	7439-97-6			
28.4	Chromium VI	Cr(VI)	18540-29-9			
28.5	Phthalates		Various	Sum <100 mg/kg	Model Toxics in Packaging Legislation - Toxics in Packaging Clearing House (TPCH)	New Added
28.6	perfluoroalkyl and polyfluoroalkyl substances	PFAS	Various	Sum <100 mg/kg		
28.7	Cobalt dichloride		7646-79-9	<1000 mg/kg	EU REACH SVHC	New Added
29. EU Battery Directive						
29.1	Cadmium	Cd	7440-43-9	< 0.002%	EU Battery Directive	
29.2	Mercury	Hg	7439-97-6	< 0.0005%		

Amer Sports RSL Testing Matrix for Non-Apparel products																													
20 Oct. 2021																													
Substances (Detail in Amer Sports Restricted Substance List for Non-Apparel products)			Adult requirement (14 years and older)	Children requirement (36 months to 14 years)	Natural Fibers	Synthetic Fibers	Natural & Synthetic Blends	Artificial Leather	Genuine Leather	Natural Materials	Metals	Porcelain, Ceramic, Glass..etc.	Feathers & Down	Polymers									Coatings & Prints	Glues & Adhesives	Packaging Materials	Recommended Test Method *(always use the latest test method update)*
														EVA	PU Foam	PU & TPU	Rubber	Poly-carbonate	ABS	PVC*	Other Foams, Plastics & Polymers				
1	Amines	Aniline	<50 mg/kg	<20 mg/kg	2	2	2	2	2	2												2			EN ISO 14362-1 for Textiles EN ISO 17234-1 for Leather
2	Azo dyes/Aromatic Amines		<20 mg/kg		1[A]	1[A]	1[A]	1[A]	1[A]	1[A]			1[A]									1[A]			EN ISO 14362-1 &-3 for Textiles EN ISO 17234-1 & -2 for Leather
3	Dyes, Forbidden & Disperse		<50 mg/kg			1[A]	1[A]	1[A]														2[A]			DIN 54231 Or DIN EN ISO 16373-2
4	Dyes, Navy Blue		<20 mg/kg			2[A]	2[A]																		DIN 54231 Or DIN EN ISO 16373-2
5	Heavy metals - Total Content	Lead (Pb)	Substrates, Paints & Coatings: Total <90 mg/kg		2		2	1	2		1	1[B]		1	1	1	1	1	1	1	1	1	2		ISO 17072-2 for Leather EN 16711-1 for Textile CPSC-CH-E1001-08.3 (only for lead); Other Metal GB/ 28021 for Metal CPSC-CH-E1002-08.3 for Plastic and Glass EN 16711-1 for Cadmium on glass and crystal CPSC-CH-E1003-09.1 for Lead on surface coating
		Cadmium (Cd)	<40 mg/kg		2		2	1	2		1	1		1	1	1	1	1	1	1	1	1	2		
		Arsenic (As)	<100 mg/kg Wood: Not Detected		2		2	1	2	1[Wood]	1			1	1	1	1	1	1	1	1	1	2		
		Mercury (Hg)	<0.5 mg/kg		2		2	1	2		1			1	1	1	1	1	1	1	1	1	2		
		Chromium VI (Cr VI)	Leather: < 3mg/kg (with aging 80 ± 2 °C, <10% humidity, 24 hours)						1																ISO 10195 method A2 ; Determination ISO 17075-2
6	Heavy metals - Extractable	Lead (Pb)	<1 mg/kg	<0.2 mg/kg	1	1	1	2	1		2			2	2	2	2	2	2	2	2	2			ISO 16711-2 for textiles - by acidic artificial perspiration solution extraction ISO 17072-1 for leather *Extractible Heavy Metals are not regulated, but for products in contact with skin it is important to test whether or not you have heavy metals that can go in contact with sensitive skins.
		Cadmium (Cd)	<0.1 mg/kg		1	1	1	2	1		2			2	2	2	2	2	2	2	2	2			
		Arsenic (As)	<1 mg/kg	<0.2 mg/kg	1	1	1	2	1		2			2	2	2	2	2	2	2	2	2			
		Antimony (Sb)	<30 mg/kg		1	1	1	2	1		2			2	2	2	2	2	2	2	2	2			
		Mercury (Hg)	<0.02 mg/kg		1	1	1	2	1		2			2	2	2	2	2	2	2	2	2			
		Nickel (Ni)	<4 mg/kg	<1 mg/kg	1	1	1	2	1		2			2	2	2	2	2	2	2	2	2			
		Chromium (Cr)	< 2mg/kg (textile); < 200 mg/kg (leather)	< 1mg/kg (textile); < 2mg/kg (leather)	1	1	1	2	1																
		Chromium VI (Cr VI)	<0.5 mg/kg (Only for textile and related accessories)		1	1	1	2	1																
		Cobalt (Co)	<4 mg/kg	<1 mg/kg	1	1	1	2	1		2			2	2	2	2	2	2	2	2	2			
		Copper (Cu)	<50 mg/kg	<25 mg/kg	1	1	1	2	1					2	2	2	2	2	2	2	2	2			
		Barium (Ba)	<1000 mg/kg		1	1	1	2	1		2			2	2	2	2	2	2	2	2	2			
		Selenium (Se)	<100 mg/kg		1	1	1	2	1		2			2	2	2	2	2	2	2	2	2			
7	Heavy Metals - Migration/Soluble	Lead (Pb)	-	<90 mg/kg				1			2			1	1	1	1	1	1	1	1	1			ASTM F963, EN71-3, ISO 8124-3
		Cadmium (Cd)	<75 mg/kg	<40 mg/kg				1			2			1	1	1	1	1	1	1	1	1			
		Chromium (Cr)	-	<60 mg/kg				1			2			1	1	1	1	1	1	1	1	1			
		Antimony (Sb)	-	<60 mg/kg				1			2			1	1	1	1	1	1	1	1	1			
		Arsenic (As)	-	<25 mg/kg				1			2			1	1	1	1	1	1	1	1	1			
		Mercury (Hg)	-	<60 mg/kg				1			2			1	1	1	1	1	1	1	1	1			
		Selenium (Se)	-	<500 mg/kg				1			2			1	1	1	1	1	1	1	1	1			
		Barium (Ba)	-	<1000 mg/kg				1			2			1	1	1	1	1	1	1	1	1			
8	Heavy Metals - Release	Nickel (Ni)	<0.5 µg/cm²/week (contact with skin) <0.2 µg/cm²/week (piercings)								1								1[C]						EN 12472 / EN 1811 (metal parts); EN 16128 (pectacle frames); EN 1811 (for outer coating)
9	Alkylphenols and Alkyphenols ethoxylated (APEO and AP)		AP (NP+OP)<100 mg/kg APEO (NPEO+OPEO)<100 mg/kg		1	1	1	1	1	1			1	1	1	1	1	1	1	1	1	1	1		APEO in textile: ISO 18254; AP in textile: ISO 21084; APEO and AP for leather: ISO 18218-1/2
10	Chlorinated Phenols	Pentachlorophenol (PCP)	Each <0.5 mg/kg Wood: PCP< 5 mg/kg	Each <0.05 mg/kg	2	2	2		2	1[Wood]															LFGB §64 BVL B82.02-8 (textile & canvas); ISO 17070 (leather); DIN 50009 (textile)
		Tetrachlorophenol (TeCP)			2	2	2		2																
		Trichlorophenol (TriCP)	Each <2 mg/kg	Each <0.2 mg/kg	2	2	2		2																
		Dichlorophenol, free (DCP)	Each <3 mg/kg	Each <0.5 mg/kg	2	2	2		2																
		Chlorophenol, free (MCP)			2	2	2		2																
		Ortophenylphenol (OPP)	<25 mg/kg Leather<750 mg/kg	<10 mg/kg Leather (Children) <250 mg/kg Leather (skin contact)<100 mg/kg	2	2	2		1																
11	Flame retardants	Details in RSL	Not detected (each individual substance' Detectopm Limit varies from 5 to 10 mg/kg)		2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]	2[D]		Phosphorus ISO 17881-2 Brominated ISO 17881-1 Inorganic compounds: Acid digestion, ICP-OES/ICP-MS/AAS * Flame retardants could be also found in recylced plastic matrix
12	Chlorinated parrafins	Short-chain Chlorinated Paraffins (SCCPs) (C10-C13)	SCCP: Plastic / Coating <50 mg/kg Leather <50 mg/kg Textile <50 mg/kg SCCP + MCCP: Non-leather< 50 mg/kg					2	1					2	2	1	1	2	2	1	2				ISO 18219; ISO 22818
		Medium-chain Chlorinated Paraffins (MCCPs) (C14-C17)						2	1					2	2	1	1	2	2	1	2				
13	Organotin compounds	Tributyltin (TBT)	<0.5 mg/kg			2	2	1	2						1	1	1			1	1	1	1		CEN ISO/TS 16179:2012 or EN ISO 22744-1:2020
		Triphenyltin (TPhT)				2	2	1	2						1	1	1			1	1	1	1		
		Dibutyltin (DBT)	<2 mg/kg	<1 mg/kg		2	2	1	2						1	1	1			1	1	1	1		
		Others (details in RSL)	<2 mg/kg	<1 mg/kg		2	2	1	2						1	1	1			1	1	1	1		
14	Perfluorinated and Polyfluorinated Chemicals (PFCs)	PFOS and its Derivatives	<1 µg/m²			1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]		1[E]	CEN/TS 15968 EN ISO 23702-1
		PFOA and its Salts	<25 µg/kg			1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]		1[E]	
		PFOA Related Substances	<1000 µg/kg			1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]		1[E]	
		Other PFCs (details in RSL)	<100 µg/kg			1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]	1[E]		1[E]	
15	Phthalates	Details in RSL	Sum < 500 mg/kg Each < 50 mg/kg					1						1	1	1	1	2	2	1	1	1	1	2	Sample preparation: CPSC-CH-C1001-09.4 Determination by GC/MS

	Substances (Detail in Amer Sports Restricted Substance List for Non-Apparel products)		Adult requirement (14 years and older)	Children requirement (36 months to 14 years)	Natural Fibers	Synthetic Fibers	Natural & Synthetic Blends	Artificial Leather	Genuine Leather	Natural Materials	Metals	Porcelain, Ceramic, Glass..etc.	Feathers & Down	Polymers								Coatings & Prints	Glues & Adhesives	Packaging Materials	Recommended Test Method (always use the latest test method update)
														EVA	PU Foam	PU & TPU	Rubber	Poly-carbonate	ABS	PVC*	Other Foams, Plastics & Polymers				
16	Polycyclic Aromatic Hydrocarbons (PAHs)	PAHs, details in RSL	Each of below 8 PAHs: Benzo[a]pyrene, Benzo[e]pyrene, Benzo[a]anthracene, Chrysene, Benzo[b]fluoranthene, Benzo[j]fluoranthene, Benzo[k]fluoranthene, Dibenzo[a,h]anthracene. < 1 mg/kg; Children < 0.5 mg/kg Napthalene < 2 mg/kg Sum of 24 PAHs: < 10 mg/kg; Children < 5 mg/kg					2						1[F]	1[F]	1[F]	1			1[F]	1[F]	1[F]			ISO/TS 16190 for Footwear / AFPS GS 2019
17	Chlorinated benzenes and toluenes	Details in RSL	< 1mg/kg Sum			2	2	2																	EN 17137
18	Nitrosamines (for Footwear)	N-Nitrosodimethylamine	< 0.5 mg/kg														2								GB/T 24153
		N-Nitrosodiethylamine															2								
		N-Nitrosodipropylamine															2								
		N-Nitrosodibutylamine															2								
		N-Nitrosopiperidine															2								
		N-Nitrosopyrrolidine															2								
		N-Nitrosomorpholine															2								
		N-Nitroso-N-methylaniline															2								
		N-Nitroso-N-ethylaniline															2								
19	UV Stabilizers	UV-320	<1000 mg/kg											2	2	2	2	2	2	2	2				Solvent extraction, GC/MS
		UV-327												2	2	2	2	2	2	2	2				
		UV-328												2	2	2	2	2	2	2	2				
		UV-350												2	2	2	2	2	2	2	2				
20	Volatile Organic Compounds (VOC)	Benzene	<5 mg/kg					2						2	2	2	2	2	2	2	2	2	1		Headspace, GC/MS
		Phenol	<50 mg/kg	<20 mg/kg				2						2	2	2	2	2	2	2	2	2	1		
		Others (details in RSL)	<1000 mg/kg																				1		
21	Miscellaneous	pH value	Textile: 4.0-7,5 (direct contact) 4.0-9.0 (indirect contact)		1	1	1	1	1																ISO 3071 or GB/T 7573 (textile) ISO 4045 (leather)
		Formaldehyde	<75 mg/kg (direct skin contact) <300 mg/kg (no direct skin contact)	<16 mg/kg for Babies (<3 years old)	1	1	1	2	1	1[O]								2				1	1		Non-Leather: ISO 14184-1 or GB/T 2912.1 or CNS 14940 Leather: ISO 17226-1 or GB/T 19941
			<80 mg/kg (Formaldehyde Release.)							1[Wood]															EN 717-3 for Wood-based panels
		Dimethylfumarate (DMFu)	Not detected (Detection limit: 0.1 mg/kg)		1[H]	1[H]	1[H]	1[H]	1[H]	1[H]				1[H]	1[H]	1[H]	1[H]	1[H]	1[H]	1[H]	1[H,L]				ISO/TS 16186
		Vinyl chloride monomer (VCM)	<1 mg/kg Only for PVC, synthetic leather, PVC coating					1												1		1			EN/ISO 6401
		Isocyanates	MDI / HDI: 1 ppm (free); 50 ppm (blocked) IPDI / TMXDI: 1 ppm (free); 100 ppm (blocked) TDI: 1 ppm (free); 15 ppm (blocked)			1[J]	1[J]	1[J]								1[J]								Solvent extraction, LC/MS
		Formamide	<200 mg/kg											1							2				Solvent extraction, GC/MS
		N,N-Dimethylformamide (DMFa)	<500 mg/kg					1							1	1						1[K]	1[K]		Textiles: EN 17131 All other materials: ISO/TS 16189
		N,N-Dimethylacetamide (DMAC)	<1000 mg/kg for materials made of PAN, EL, PU and araides, coated textiles DMFa< 50mg/kg for DMFa free PU coating					1							2	2					2	2	2		
		1-Methyl-2-Pyrrolidone (NMP)						1							2	2					2	2	2		
		Bisphenol A (BPA)	Usage ban <1 mg/kg <0.1 mg/kg (plastic in food contact)											2	2	2	2	1	2	2	2				Solvent extraction/ GC-MS/LC-MS
		Quinoline	<50 mg/kg			2	2																		DIN 54231
		Dibutylhydroxytoluene (BHT)	< 25mg/kg																					1[M]	ASTM D4275
		Polyvinyl Chloride (PVC)	Negtive					2														2		1[*]	Beilstein test and confirmation with FTIR
22	Pesticides and Herbicides, Agricultural	2-(2,4,5-trichlorophenoxy) propionic acid, its salts and compounds (2,4,5-TP)	<0.5 mg/kg		2		2		2	2															Solvent extraction, GC/MS or LC/MS
		Hexachlorocyclohexane, all isomers (HCH)	<0.5 mg/kg		2		2		2	2															
		4, 6-Dichloro-7 (2,4,5-trichlorophenoxy) -2-Trifluoro methyl benz imidazole (DTTB)	<30 mg/kg		2		2		2	2															
		Details in RSL	Sum<1 mg/kg	Sum<0.5 mg/kg	2		2		2	2															
23	Biocides	2-Chloroacetamide	< 50 mg/kg		1		2	2	2	2															Solvent extraction, GC/MS / LC/MS
		5-Chloro-2-Methyl-4-Isothiazoline-3-one (CIT)			1		2	2	2	2															
		2-Mercaptobenzothiazole			1		2	2	2	2															
		2-Methyl-4-Isothiazolin-3-one			1		2	2	2	2															
		2-n-Octyl-4-isothiazolin-3-one			1		2	2	2	2															
		Permethrin			1		2	2	2	2															
		Polybrominated Naphthalenes			2	2	2	2	2					2	2	2	2	2	2	2	2				
		Polybrominated Terphenyls			2	2	2	2	2					2	2	2	2	2	2	2	2				

	Substances (Detail in Amer Sports Restricted Substance List for Non-Apparel products)		Adult requirement (14 years and older)	Children requirement (36 months to 14 years)	Natural Fibers	Synthetic Fibers	Natural & Synthetic Blends	Artificial Leather	Genuine Leather	Natural Materials	Metals	Porcelain, Ceramic, Glass..etc.	Feathers & Down	Polymers									Coatings & Prints	Glues & Adhesives	Packaging Materials	Recommended Test Method *(always use the latest test method update)*
														EVA	PU Foam	PU & TPU	Rubber	Poly-carbonate	ABS	PVC*	Other Foams, Plastics & Polymers				
24	Halogenated Biphenyls, Halogenated Terphenyls and Halogenated Naphthalenes	Polychlorinated Biphenyls (PCB)	Usage ban (DL< 10 mg/kg)		2	2	2	2	2					2	2	2	2	2	2	2	2				Solvent extraction, GC/MS or LC/MS
		Polychlorinated Naphthalenes (PCN)			2	2	2	2	2					2	2	2	2	2	2	2	2				
		Polychlorinated Terphenyls (PCT)			2	2	2	2	2					2	2	2	2	2	2	2	2				
		Halogenated Diarylalkanes			2	2	2	2						2	2	2	2	2	2	2	2				
25	Asbestos	Actinolite	Not Detected		Prohibited																				Microscopic Analysis
		Amosite																							
		Anthophyllite																							
		Chrysotile																							
		Crocidolite																							
		Tremolite																							
26	Dioxins and furans	Details in RSL	Sum of Group 1: 1 µg/kg Sum of Group 1 & 2: 5 µg/kg		Prohibited																				US EPA Method 1613B/ SW-846 Method 8290A
27	Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)	Lead (Pb)	<1000 mg/kg		1 All components of Electronic Equipments																				IEC 62321
		Cadmium (Cd)	<100 mg/kg																						
		Mercury (Hg)	<1000 mg/kg																						
		Chromium VI (Cr VI)	<1000 mg/kg																						
		PBB	<1000 mg/kg																						
		PBDE	<1000 mg/kg																						
		Butyl benzyl phthalate (BBP)	<1000 mg/kg			1	1	1						1	1	1	1			1	1	1	1		
		Dibutyl phthalate (DBP)	<1000 mg/kg			1	1	1						1	1	1	1			1	1	1	1		
		Di(ethylhexyl) phthalate (DEHP)	<1000 mg/kg			1	1	1						1	1	1	1			1	1	1	1		
		Diisobutyl phthalate (DiBP)	<1000 mg/kg			1	1	1						1	1	1	1			1	1	1	1		
28	Packaging and Packaging Waste	Lead (Pb)	Sum <100 mg/kg																					1	Acid digestion, AAS/ICP analysis
		Cadmium (Cd)																						1	
		Mercury (Hg)																						1	
		Chromium VI (Cr VI)																						1	
		Phthalates	Sum <100 mg/kg																					1N	Sample preparation: CPSC-CH-C1001-09.4 Determination by GC/MS
		perfluoroalkyl and polyfluoroalkyl substances (PFAS)	Sum <100 mg/kg																					1E	CEN/TS 15968
		Cobalt dichloride	<1000 mg/kg																					1L	Screening by AAS or ICP via respective element
29	Battery Directive	Cadmium (Cd)	< 0.002%		1 All components of Battery																				Acid digestion, AAS/ICP analysis
		Mercury (Hg)	< 0.0005%																						
30	Food Contact Materials		Various from different countries/ regions		**Please consult your Amer Sports RSL contact when developing a product that has the characteristics of food-contact material.**																				various
31	SVHC that are not included in this RSL		<1000 mg/kg		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	various

1	1 : Higher Risk. Testing strongly recommended
2	2 : Lower Risk. Testing recommended
	Blank : Substances or group of substances with high probability not relevant
	Dark grey: Prohibited for any application in Amer Sports products

Note

***:** PVC is prohibited to use in all Amer Sports footwear, packaging and food contact products. In addition, Amer Sports prefers all products do not contain PVC and supports efforts to phase-out PVC.

A: For dyed/colored materials

B: Crystal is exempted

C: Metallic coating part on polymers (usually on ABS), accelerated wear and corrosion test is not required

D: If Flame Retardant use or contamination is suspected.

E: If a Fluorinated finish is applied. (e.g. DWR or non-stick coating)

F: Dark color polymeric materials.

G: Paper, Cork

H: Whenever a product does have a fungizide application

J: For PU

K: For PU based materials.

L: For Desiccant, Silica gel

M: For Poly bags

N: For soft polymeric, coating materials

Appendix J. Guidance on products and materials corresponding to Restricted Substance List

For guidance purposes, Amer Sports provides examples of products and materials to which the Amer Sports RSL is applied, including but not limited to those listed in Annex J. as follows:

Products and coorespondend RSL

RSL for Apparel		RSL for Non-Apparel	
Apparel	**Accessories**	**Footwear**	**Accessories**
• Dresses • Jackets • Pants/trousers • Polos • Shirts • Shorts • Skirts • Sweaters • Sweatshirts and hoodies • Underwear • Vests	• Headbands • Headwears • Gloves (e.g. winter) • Running vest • Scarves • Socks	• Boots • Forces (Military and Tactical) • Lifestyle • Running, hiking • Sandals • Slippers • Sports (e.g. Tennis)	• Backpacks • Belts • Chalk bags • Golf bags • Handbags • Rope bags • Running packs & belts • Shoelaces • Sunglasses • Team sports bags

RSL for Non-Apparel			
Equipments	**Electronic Equipments**	**Food Contact Article**	**Packaging Materials**
• Balls • Bicycles • Bindings • Boards • Chest protectors • Goggle • Harness • Helmets • Poles • Rackets • Shin and leg guards • Skis • Team Sports Gloves	• Dive computers • Fitness trackers • Heart-rate monitors • Sports watches	• Cups • Drinking bottles • Flasks • Reservoirs • Straws	• Antimicrobial stickers • Bead chain • Boxes/cartons • Expanded foam materials • Eyelets/grommets • Hang tags • Labels, adhesive • Magnets • Pins • Plastic cases • Poly bags • Price tags • Retail carry bags • Shipping boxes/ cartons • Silica gel/desiccant • Stickers • Stuffing materials • Tapes • UPC tags

Examples of Materials

Natural Fibers	Synthetic Fibers	Natural & Synthetic Blends	Artificial Leather
• Cotton • Wool • Silk • Hemp • Cashmere • Linen • Fur • Rayon (Semisynthetic) • Lyocell (Semisynthetic)	• Polyester • Acrylic • Nylon • Polyamide	• Cotton-Polyester • Wool-Nylon • Ramie-Polyester	• Polyurethane (PU) • Polyvinyl Chloride (PVC)

Genuine Leather	Natural Materials	Metals	Porcelain, Ceramic, Glass..etc.
• Leather	• Horn • Bone • Cork • Wood • Paper • Straw • Stone	• Stainless steel • Brass • Copper • Gold • Silver • Aluminum • Alloy	• Glass • Synthetic stone • Porcelain • Ceramic • Crystal

Feathers & Down	Polymers	Coatings & Prints	Glues & Adhesives
• Feathers • Down	• Ethylene vinyl acetate (EVA) • Polystyrene (PS) • Polyethylene (PE) • Acrylonitrile butadiene styrene (ABS) • Neoprene • Polypropylene (PP) • Polycarbonate (PC) • Polyamide (PA) • Polyurethane (PU) • Polyvinyl chloride (PVC) • Thermoplastic polyurethane (TPU) • Thermoplastic elastomer (TPE) • Styrene ethylene butylene styrene (SEBS)	Printing techniques such as: • Heat transfers • Dye sublimation printing • Screen printing • Direct-togarment printing • Discharge printing • Plastisol transfers Coatings such as: • Polyvinyl chloride (PVC) • Polyurethane (PU) • UV-cured	• Hot melt adhesive • Powdered adhesive • Flock adhesive • Contact adhesive • Latex glue • Polyurethane glue • Neoprene cement • Epoxies • Silicone adhesive • UV-cured adhesive

Note: This table provides examples of materials within each category but is not all-inclusive.