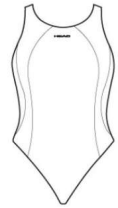


Product specific requirements: 013. Swimwear

Version: 3.0
Last update: 01.09.2021

| Material | Material Art | Products | Age Group | HS Code |
|-------------------------------|--------------|--|-----------------------|------------------|
| textiles, elements of plastic | Knitted | Swimwear, swim shorts, swim briefs, Pare Towels, Textile swim accessories; Towels, Bath Towels | women, men kids, baby | 6112, 6211, 6302 |

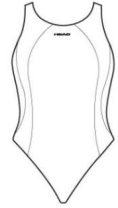


| No | Parameter | Method | Reference | Age group | Requirement | Materials | | | |
|-----------------------------------|---|---|---|---------------|---|---------------------------------|------------------|--------------------|----------------------|
| | | | | | | Plastics - PU, PVC, Rubber, TPU | Textiles Natural | Textiles Synthetic | PU Coating, Printing |
| General & Construction | | | | | | | | | |
| 1 | Fiber composition | EU (Nr) 1007/2011 | Ginetex (CH) | / | Single: No tolerance Blends: +/-3% deviation from composition; Max. +/- 2% presence of Extraneous fibers | | x | x | |
| 2 | Cords and drawstrings on children's clothing | SN EN 14682 | SR 817.023.41 (CH) | Till 14 years | Must fulfill requirements | Related to the whole product | | | |
| Chemical Parameters | | | | | | | | | |
| 3 | Formaldehyde | Textile: DIN EN ISO 14184-1 Leather: DIN EN ISO 17226-2 | EU REACH Annex XVII Entry 72 Oekotex | / | Baby till 3 : n.d. Adults Textile: 75 mg/kg | | x | x | x |
| 4 | pH value | Textile: DIN EN ISO 3071 Leather: DIN EN ISO 4045 | Oekotex | / | Textile: Direct Skin Contact: 4.0-7.5 Textile: Indirect Skin Contact: 4.0-9.0 Leather: 3.5-7.5 | | x | x | |
| 5 | Lead in Textile | Non-leather: EN 16711-1 Leather: ISO 17072-2 | SR 817.023.41 SR 814.81 (CH) | / | Paints and varnishes: 100 mg/kg; Surface treatment on Textile: Not detected (5mg/kg) | x | | | x |
| 6 | Cadmium in Textile | EN 16711-1 | SR 814.81 (CH) | / | Plastic: 100 mg/kg Surface coating/paint on article: 1000 mg/kg | x | | | x |
| 9 | Azo-Dyes* (Appendix) | Textile: DIN EN 14362-1 Leather: DIN ISO 17234-1 4-aminoazobenzene Textile: DIN EN 14362-3 Leather: DIN ISO 17234-1 | SR 817.023.41 (CH) | / | max. 30 mg/kg each | | x | x | x |
| 10 | Phthalates* (Appendix) | ISO 14389 | SR 817.023.41 | < 36 months | Baby (<36 months) DEHP / DBP / BBP / DIBP / DIHP / DMEP / DIPP / DnPP / DnHP/ DCHP/ DIOP/ DINP/ DIDP/ DNOP: 1000 mg/kg (Each or Total) Other age range: DEHP / DBP / BBP / DIBP / DIHP / DMEP / DIPP / DnPP / DnHP/ DCHP/ DIOP: 1000 mg/kg (Each or Total) | x | | | x |
| 11 | PAHs*(Appendix) | AfPS GS 2019:01 PAK | SR 814.81 (CH) | / | EU PAH each < 0,5 mg/kg / Total sum < 10 mg/kg | x | | | x |
| 12 | Chlorinated paraffins C10-13 (SCCP) (only for plastic, coating) | ISO 18219 GC-MS or GC-ECD; | SR 814.81 (CH) | / | SCCPs limit (flame retardant): no use ; SCCPs limit (other): < 1000 mg/kg; | x | | | x |
| 13 | Organic Tin Compounds (only for plastic, coating) | Textile: ISO 22744-1 Non-textile: CEN ISO/TS 16179 | SR 814.81 (CH) | / | Tri-substituted organostannic compounds 1000 mg/kg DBT: 1000 mg/kg DOT: 1000 mg/kg | x | | | x |
| 14 | Dimethylfuran | ISO/TS 16186 | SR 814.81 (CH) | / | 0,1mg/kg | | x | x | |

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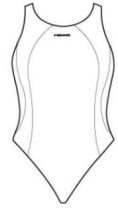



| No | Parameter | Method | Reference | Age group | Requirement | Materials | | | | |
|---------------------------|--|---|--------------------------------------|----------------------------|---|---------------------------------|------------------|--------------------|----------------------|--|
| | | | | | | Plastics - PU, PVC, Rubber, TPU | Textiles Natural | Textiles Synthetic | PU Coating, Printing | |
| 15 | Penta-, Tetra-, Trichlorophenol (PCP / TeCP / TriCP) | Textile / Leather: LFGB § 64 BVL B82.02.8 Leather: ISO 17070; Polyester / polyester-blend / printed fabric: Modified § 64 LFGB BVL B82.02.8 with alkaline digestion | ChemVerbots V Oekotex SR 814.81 (CH) | / | PCP, TeCP: not merely unavoidable impurities: 5 mg/kg (sum); Baby till 36 mth: 0.05 mg/kg; (sum) | | x | | x | |
| Physical Parameter | | | | | | | | | | |
| 16 | Tensile strength | ISO 13934-2 [N] | Manor intern | / | Swimwear: 160 N Towels: except | Related to the whole product | | | | |
| 17 | Color fastness to Laundering (washing) | ISO 105 C06 | Manor intern | / | Grade 4 | | x | x | | |
| 18 | Appearance after washing (1 Wash) | Visual examination | Manor intern | / | Satisfactory No loose fibers, degumming, blistering for adhesive position; No damage, detachment, corrosion, deformation, obvious color change, seam opening after washing. | | x | x | | |
| 19 | Dimensional stability after washing (1 Wash) | ISO 6330 | Manor intern | / | +/- 5% | | x | x | | |
| 20 | Stretch and recovery | EN ISO 20932-1 | Manor intern | / | Warp knit 2 kg load extension: 10% maximum | | x | x | | |
| 21 | Color fastness to Perspiration (acid and alkaline) | ISO 105/E04 | Manor intern | / | Grade 4 | | x | x | | |
| 22 | Color fastness to water | ISO 105/E01 | Manor intern | / | Grade 4 | | x | x | | |
| 23 | Color fastness to light | ISO 105/B02 | Manor intern | / | Swimwear: Grade 5 Swimwear turquoise / neon: Grade 3 Swimwear White / pastel: Grade 3 Towel: Grade 4 | | x | x | | |
| 24 | Color fastness to rubbing, dry | ISO 105/X12 | Manor intern | / | Grade 4 | | x | x | | |
| 25 | Color fastness to rubbing, wet | ISO 105/X12 | Manor intern | / | Grade 3 | | x | x | | |
| 26 | Sea Water 50 mg/l | ISO 105/E02 | Manor intern | / | Grade 4 | | x | x | | |
| 27 | Chlor. Water 50 mg/l | ISO 105/E03 | Manor intern | / | Grade 4 | | x | x | | |
| 28 | Color fastness to saliva | DIN 53160-1 | Manor intern | Till 3 years (size 50- 98) | Grade 5 | | x | x | | |

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| No | Parameter | Method | Reference | Age group | Requirement | Materials | | | |
|------------------------------|--|--|-------------------------|---------------|---|---------------------------------|------------------|--------------------|----------------------|
| | | | | | | Plastics - PU, PVC, Rubber, TPU | Textiles Natural | Textiles Synthetic | PU Coating, Printing |
| Accessories | | | | | | | | | |
| 29 | Metal Parts with skin contact: Nickel | EN 12472:2020 / EN 1811:2011 + A1:2015 | SR 817.023.41 (CH) | / | Nickel: <u>Manor < 0,5 µg/cm²/Week</u> | Related to the whole product | | | |
| 30 | Plastic Parts with skin contact: Cadmium | Non-leather: EN 16711-1 | SR 814.81 (CH) | / | Cadmium 100 mg/kg (Swiss Regulation) Manor: 40 mg/kg (Manor Regulation) | x | | | x |
| Attachments' strength | | | | | | | | | |
| 31 | Small parts; sharp point, sharp edge | EN-71-1 | Manor intern | Till 14 years | (< 36 months) No small parts; (< 14 years) No sharp point; (< 14 years) No sharp edge. | Related to the whole product | | | |
| 32 | Decoration elements | CEN/TS 17394-2 | Manor intern | / | Parts ≥6 mm not > 6mm: CEN/TS 17394-2 Textiles and textile products - Part 2: Safety of children's clothing - Security of attachment of attachment of buttons-test method. CEN/TS 17394-3 Textiles and textile products - Part 3: Safety of children's clothing - Security of attachment of metal mechanically applied press fasteners-test method CEN/TS 17394-4 Textiles and textile products - Part 4: Safety of children's clothing - Security of attachment of components except buttons and metal mechanically applied press fasteners-test method | Related to the whole product | | | |
| Label | | | | | | | | | |
| 33 | Labeling (with Care Instruction) | EU (Nr) 1007/2011 | Ginetex Manor intern | / | Trademark Manufacturer's name (name, address in EU) Made in ... Size (opt. age for children) Care instructions (according to Ginetex) Fiber composition in % (EU 1007/2011) In 1 Swiss official language (DE / IT / FR) | Related to the whole product | | | |
| 34 | Care Instruction | Ginetex | Ginetex Manor intern | / |  Mandatory in following order: washing-bleaching-drying-ironing-professional textile care Opt. Wash with similar colors/ Opt. Wash separately | Related to the whole product | | | |