

### Product specific requirements: 160. Baby Stroller

Version: 3.0  
Last update: 06.04.2022

Material	Products	Remark
-	Carriages for children: Pushchairs and prams for children till 15 kg	Not applicable for pushchairs for kids above 15kg- till 22 kg (EN 1888-2); toys, carryages for dolls, bicycles or tri-cycles



No	Parameter	Methods	Reference	Requirement
<b>Chemical requirements</b>				
1	Nickel release	EN 12472+A1:2020 / EN 1811+ A1:2015	SR 817.023.41 EU REACH Annex XVII	< 0.5 µg/cm <sup>2</sup> /Week For prolonged and direct contact with the skin; incl. metal frames
2	Lead	Acid digestion / AAS or ICP	SR 817.023.41 EU REACH Annex XVII	CH Law: 500 mg/kg SGS recommendation:100 mg/kg All accessible parts smaller than 5cm (total L, B, W) which can be put into the mouth by small kids till 36 months.
3	Cadmium	EN1122 /Acid digestion / AAS or ICP	SR 817.023.41 EU REACH Annex XVII	100 mg/kg In CH related only for: Jewellery; recommended for prolonged and direct contact with the skin; incl. metal frames
<b>Plastics, Foam, Rubber</b>				
4	Phthalates	ISO 14389	SR 817.023.41 EU REACH Annex XVII	DEHP+DBP+BBP < 0,1% (Total) DINP+DIDP+DNOP < 0,1% (Total)
5	Lead (Pb), total content	Acid digestion / AAS or ICP	SR 817.023.41 EU REACH Annex XVII	Paints and varnishes, Plastic: 100 mg/kg
6	Cadmium (Cd), total content	EN1122 /Acid digestion / AAS or ICP	SR 817.023.41 EU REACH Annex XVII	For plastics: 100 mg/kg For paints [3208] [3209](Zn content ≤10%): prohibit. For brazing fillers: 100 mg/kg Paints and varnishes & in Plastic: 100 mg/kg
8	Polycyclic aromatic hydrocarbons (PAH)	AfPS GS 2014:01 PAK	SR 817.023.41 EU REACH Annex XVII	Have to fulfil requirements
9	Organic Tin Compounds (expressed as tin)	Solvent Extraction / GC-MS	SR 817.023.41 SR 814.81; Annex XVII, REACH	CH Law: DOT< 1000 mg/kg EU: DBT, DOT, TBT, TPhT< 1000 mg/kg by weight of tin Manor (Oekotex): TBT, TPhT: 1 mg/kg // DBT, DOT, MBT: 2 mg/kg
10	Short Chain Chlorinated Paraffin C10-13 (SCCP)	-	SR 814.81 Regulation (EC) 850/2004, Annex I EU POPs regulation; (EU) No 1021/2019	SCCPs CH limit: < 1000 mg/kg Manor (Oekotex): 100 mg/kg
<b>Leather</b>				
12	AZO	DIN ISO 17234-1 4-aminoazobenzene DIN ISO 17234	SR 817.023.41	max. 30 mg/kg each
13	Formaldehyde	DIN EN ISO 17226-2	BGVO (EU) Oekotex	Leather: 300 mg/kg

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<b>Only if claimed 100% Leather without coating</b>				
14	Chrome VI (after aging)	ISO 17075-2:2015	SR 814.81	< 3 mg/kg
15	Penta-, Tetrachlorophenol(PCP/TeCP)	LFGB § 64 BVL B82.02.8	SR 814.81	PCP, TeCP: not merely unavoidable impurities: 5 mg/kg Manor (Oekotex): 0.05 mg/kg;
16	Octa-bromodiphenyl ether	EC) No. 1907/2006, REACH Annex XVII (former 2003/11/EC)	SR 814.81 EPA 8270D or EPA 3540C or EPA 3550C	< 0.1% by weight
17	Nonylphenol (NP) and its ethoxylate (NPEO)	Leather & polymers ISO 18218:2015	Annex XVII (effective date: 3rd February 2021)	NPEO: Leather & Polymers 1000 mg/kg NP: 1000mg/kg
18	Dimethylfumarat	(EG) Nr. 1907/2006	SR 814.81	0,1 mg/kg
<b>For synthetic or coated Leather</b>				
19	SCCP	-	SR 814.81 Regulation (EC) 850/2004, Annex I EU POPs regulation; (EU) No 1021/2019	SCCPs CH limit: < 1000 mg/kg Manor (Oekotex): 100 mg/kg
20	Lead	Acid digestion, ICP or AAS analysis	SR 817.023.41; SR 814.81	Paints and varnishes: 100 mg/kg;
21	Cadmium	EN1122 /Acid digestion / AAS or ICP	SR 814.81	Paints and varnishes: 100 mg/kg
22	Phthalates	ISO 14389	SR 817.023.41 EU REACH Annex XVII	DEHP+DBP+BBP< 0,1%(Total) DINP+DIDP+DNOP<0,1%(Total)
23	Organic Tin Compounds	ISO 17353, GC-MS analysis	SR 817.023.41; SR 814.81	CH Law: DOT< 1000 mg/kg EU: DBT, DOT, TBT, TPhT< 1000 mg/kg by weight of tin Manor (Oekotex): TBT, TPhT: 1 mg/kg // DBT, DOT, MBT:2mg/kg
24	Polycyclic aromatic hydrocarbons (PAH)	AfPS GS 2014:01 PAK	SR 817.023.41 EU REACH Annex XVII	Have to fulfill requirements
<b>Textile</b>				
25	AZO	DIN EN 14362-1:2017; 4-aminoazo-benzene DIN EN 14362-3:2017	SR 817.023.41	max. 30 mg/kg each
26	Metal content	EN 71-3	EN 1888. P. 6	<ul style="list-style-type: none"> <li>- Al: 70 000 mg/kg</li> <li>- Sb: 560 mg/kg</li> <li>- As: 47 mg/kg</li> <li>- Ba: 18 750 mg/kg</li> <li>- B: 15 000 mg/kg</li> <li>- Cd: 17 mg/kg</li> <li>- Cr III: 460 mg/kg</li> <li>- Cr VI : 0,2 mg/kg</li> <li>- Co: 130 mg/kg</li> <li>- Cu: 7700 mg/kg</li> <li>- Pb: 160 mg/kg</li> <li>- Mg: 15 000 mg/kg</li> <li>- Hg: 94 mg/kg</li> <li>- Ni: 930 mg/kg</li> <li>- Se: 460 mg/kg</li> <li>- Sr: 56 000 mg/kg</li> <li>- Sn: 180 000 mg/kg</li> <li>- Sn (organic) : 12 mg/kg</li> <li>- Zn: 46 000 mg/kg</li> </ul>
27	TEPA/ PBB/ TRIS	EPA 8270D or EPA 3550C	European Regulation (EC) No. 1907/2006, REACH Annex XVII	Shall not be used in textile articles intended to come into contact with the skin



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No	Parameter	Methods	Reference	Requirement
<b>Labelling</b>				
41	Labelling	In House	In reference with SR 817.023.11; EN 1888	<p>a. The name or trade name and the address or registered office of the party that is responsible for placing the materials or articles on the market</p> <p>b. Product identification information</p> <p>c. Net quantity of the contents in terms of weight, measure or numerical count or a combination so as to give accurate information and facilitate value comparison by the consumer</p> <p>d. indication of the maximum height of the mattress, unless a mattress is provided. In that case, the manufacturer shall clearly indicate that no additional mattress shall be added.</p> <p>e. Number &amp; Year of EN 1888 -2012 (1888-1:2018)</p> <p>f. The maximum weight of each child the vehicle is intended for shall be indicated with pictogram (P10.2.9)</p> <p>- in a clearly visible place;</p> <p>- in easily readable and indelible writing;</p> <p>- in at least one official language (GE/IT/FR).</p> <p>Place: Directly on the product or packaging or label or on a leaflet.</p>
42	Product information	In House	EN 1888 P. 10.2	<p>- General safety</p> <p>- Warning and safety instructions</p> <p>- Operating or care instructions</p> <p>- Instructions and precautions</p> <p>- in a clearly visible place;</p> <p>- in easily readable and indelible writing;</p> <p>- in at least one official language (GE/IT/FR).</p> <p>- in a clearly visible place;</p> <p>- in easily readable and indelible writing;</p> <p>- in at least one official language (GE/IT/FR).</p>
43	Durability of marking	In House	EN 1888 P. 9	<p>The marking shall be durable</p> <p>The text shall still be clearly legible after testing.</p>
44	WARNING!	In House	EN 1888 P. 10.2.3- 10.2-6	<p>Warning sentences shall be written in letters whose upper case shall be at least 2,5 mm in height;</p> <p>The vehicle shall be legibly, visibly and permanently marked with at least the following:</p> <p>"WARNING Never leave the child unattended."</p> <p>This warning shall be visible when using the product.</p> <p>- Pram bodies having an internal length &gt;800mm (8.1.2.2) shall have a label stating "WARNING Use a harness as soon as the child can sit unaided."</p> <p>- Vehicles that are not suitable for children under 6 month ( 8.1.1.1), shall have a label visible during folding, unfolding or adjustment of the vehicle stating:</p> <p>"WARNING This seat unit is not suitable for children under 6 months."</p> <p>- Pushchair shall be marked with the following warning:</p> <p>"WARNING Always use the restraint system"</p>
45	Purchase information	In House	EN 1888 P. 10.3	<p>Information concerning the weight of the child for which the vehicle is suitable.</p> <p>The warning</p> <p>"WARNING This product is not suitable for running or skating."</p> <p>For pram bodies with a length of 800 mm or less, provide a statement that the product shall not be used, as soon as the child is able to sit by himself:</p> <p>"This product is suitable for a child who cannot sit up unaided, roll over and cannot push itself up on its hands and knees.</p> <p>Maximum weight of the child: 9 kg"</p> <p>This requirement does not apply to pram bodies that have the function of child restrain systems.</p>
46	Instructions for use	In House	EN 1888 P. 10.4	<p>These instructions shall include at least the following and shall be headed as follows:</p> <p>"IMPORTANT – READ CAREFULLY AND KEEP FOR FUTURE REFERENCE"</p> <p>The following warnings shall be provided, in the form given (10.4.1)</p> <p>Information shall be given in accordance with 10.4.2</p>
47	Claim Verification	In House	-	The labeling must comply and valid with all claims described above.

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<b>Product specific requirements</b>				
<b>PHYSICAL CHARACTERISTICS</b>				
48	Dimensions (Length x Width x Height, unit: inch)	Standard Measure	-	Report overall dimension; shall meet label claims (if applicable).
49	Total Weight (lbs)	Standard Measure	-	Report overall weight; shall meet label claims (if applicable).
50	Material Type	Visual Inspection	-	As Claimed
<b>FLAMMABILITY REQUIREMENTS</b>				
51	Flammability	-	SR 817.023.41 Art 18; Shall comply with EN 71-2	Tested in accordance with EN 71-2:2011+A1:2014, 5.4 Textile materials must not burn or be so flammable, that they will produce any disproportionately large risk.
<b>CONSTRUCTION &amp; MECHANICAL REQUIREMENTS</b>				
52	Construction	Visual Inspection	EN 1888	Baby stroller shall fully comply with the requirements
53	Workmanship	Visual Inspection	-	No damages on material: - Without major defects - Without components missing, deformed or fractured - Without hardware missing - Without loose components or loosened fastening where rigidity is required - With finished edges and seams - Evenly aligned in seams and components; - Shall have no burrs or sharp edges on any component; - Even in color & clarity
<b>PERFORMANCE TESTING</b>				
54	Resistance To Corrosion (Metal Parts Only)	ISO 9227 NSS	-	Shall withstand 24 Hours in 5% Salt Spray (Fog) with no major visual change, pitting or corrosion
55	Transportation Test for Package	ISTA 1A /1B	-	The product shall not be damaged and the package shall remain intact and protective to the product.
56	Toy accessories	Toys safety directive SR 817.023.11	-	All toy accessories shall comply with the related toy safety requirement. SR 817.023.11
56	Pushchairs and prams	EN 1888-1 /-2	-	EN 1888-1: 2018 for pushchairs and prams (for children up to 15kg each) EN 1888-2: 2018 for Pushchairs for children above 15 kg up to 22 kg