

## Product specific requirements: 125. Childcare products

Version: 3.0  
Last update: 07.04.2022

Material	Products	Remark
Plastic	toilet pot, potty, toilet chair and similar products for kids < 3 years	Not applicable for highchairs, seats, booster seats



No	Parameter	Method	Reference	Requirement
<b>General requirements</b>				
1	Workmanship	In House	-	<p>Product and its components has to meet the requirements on design and quality according to information offered by producer;</p> <p>No damages on material:</p> <ul style="list-style-type: none"> <li>- Without scratches, dents, cracks, marred or discolored surface</li> <li>- Without major defects</li> <li>- Without components missing, deformed or fractured</li> <li>- Without hardware missing</li> <li>- Without pits or burrs and weld smoothly filed / grounded</li> <li>- Without loose components or loosened fastening where rigidity is required</li> <li>- With proper and uniform adhesion in wooden parts</li> <li>- Without flash and consistent in size, color and form for plastic parts</li> <li>- With finished edges and seams</li> <li>- Even in color &amp; clarity</li> <li>- Evenly aligned in seams and components</li> </ul>
2	Labelling	In House	SR 817.023.21/2001/95/EC	<p>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>Place: Directly on the product, or if technically not possible - on a label / leaflet</p>
3	Labelling	In House	SR 817.023.21/2001/95/EC	<p>a) Product identification information b) General safety c) Warning and safety instructions. d) Operating or care instructions e) Special instructions and precautions on how to use the final product if necessary</p> <ul style="list-style-type: none"> <li>- in a clearly visible place;</li> <li>- in easily readable and indelible writing;</li> <li>- in at least one official language (GE/IT/FR).</li> </ul> <p>Place: Directly on the product or packaging or label or on a leaflet.</p>
4	Product information	In House	-	<ul style="list-style-type: none"> <li>- Name or trademark or brand of the manufacturer or importer or retailer</li> <li>- A reference to identify the model</li> <li>- A batch number is recommended</li> <li>- Age range for use of the product</li> </ul>
5	Warning	In House	Chapter III – Article 5 of Directive 2001/95/EC	<p>Any marking shall be permanent</p> <ul style="list-style-type: none"> <li>- WARNING : never leave your child unattended;</li> <li>- If the ring allows the small head passing through, but not the large head, a warning shall be added:</li> </ul> <p>WARNING: children have been stuck when they passed their head through the ring. Don't let the child play with the toilet reducer/potty. It is recommended to add a pictogram.</p>
6	Instructions for use	In House	-	<p>The instructions for use shall be headed: "Read carefully – keep for future reference"</p> <ul style="list-style-type: none"> <li>- Name or trademark or brand name and address of the manufacturer, importer or retailer, reference of the model</li> <li>- A statement, that the product shall be placed in a free area, far from obstacles on which the child may fall down and be hurt.</li> <li>- Cleaning instructions</li> <li>- If the product shall be assembled, a statement that it shall be assembled by an adult.</li> </ul>
7	Ease of Assembly	In House	-	<p>Shall provide ease of assembly and shall be accurate with no missing parts.</p> <p>Visual Check / Easily assemble</p>
8	Functionality	In House	-	<p>The sample shall function as intended or as claimed in the state of as-received after assemble in accordance with the manufacturer's instructions</p>
<b>Chemical requirements to the main material</b>				
9	Lead (Pb), total content	Acid digestion / AAS or ICP	SR 814.81 REACH	500 mg/kg
10	Migration of certain elements in accordance with EN71-3	EN71-3	In reference with EN71-3	Materials and coverings used for the potty or toilet trainer shall meet the requirements of EN71-3
11	Cadmium Content	<p>Polymeric Materials: EN 1122 Method B</p> <p>Metal Parts: Acid digestion / AAS</p>	REACH annex XVII SR 817.023.11	<p>100 mg/kg</p> <p>REACH regulation 1907/2006 POP regulation 850/2004/EC Potties and toilet trainers shall comply with relevant EU legislation</p>

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12	Polycyclic aromatic hydrocarbons (PAH)	AIPS GS 2019:01 PAK	EU REACH Annex XVII	0.5 mg/kg
<b>Colourants (SR 817.023.21 LGV)</b> <i>(specific requirements for Switzerland listed in Annex 10): <a href="https://www.blv.admin.ch/dam/blv/de/dokumente/lebensmittel-und-ernaehrung/rechts-und-vollzugsgrundlagen/lebensmittelrecht2017/anhang10-verordnung-materialien-kontakt-lm-gg.pdf.download.pdf/Anhang_10.pdf">https://www.blv.admin.ch/dam/blv/de/dokumente/lebensmittel-und-ernaehrung/rechts-und-vollzugsgrundlagen/lebensmittelrecht2017/anhang10-verordnung-materialien-kontakt-lm-gg.pdf.download.pdf/Anhang_10.pdf</a></i>				
14	Colourants	Acid digestion / AAS or ICP	SR 817.022.31	May be used to painting of plastic parts that may come into contact with food: a. colourants approved for food pursuant to SR 817.022.31 (LGV); b. barium sulphate; c. barite varnish that does not include barium carbonate and water-soluble barium compounds; d. chromium III oxide; e. copper and its alloys.
<b>Product specific requirements</b>				
<b>Physical and mechanical properties</b>				
15	Hygiene	Actual Use	-	All surfaces intended to come into contact with skin shall be easily cleanable under normal circumstances. The whole product shall be washable and cleaning methods shall be of common use.
16	Hazardous edges	With reference to Clause 3.9.2 of CEN/TR 13387	-	Accessible edges shall be designed to prevent lacerations and wounds, especially edges in direct contact with the skin of the child. All exposed edges, surfaces and protrusions should be rounded or chamfered and free from burrs and sharp edges.  Attention shall be especially paid to any edges directly or indirectly in contact with the child when seated such as: - upper surface of the ring - under surface of the ring when articulated or in case of a toilet reducer The inner edges on the under surface of any articulated or independent ring shall be fully rounded, and the minimum thickness of the plastic should be of 1 mm.
17	Hazards from gaps and openings	With reference to Clause 5.4 and 5.6 of CEN/TR 13387 - 3	-	- Entrapment of fingers -no completely bounded openings in rigid materials between 7 mm and 12 mm; - Entrapment of head in the opening of the toilet trainer If the small head probe (see annex I) passes through the opening of the toilet trainer the large head probe shall also pass through. If this condition is not met a warning shall be given (see product information);
18	Hazards from moving parts	With reference to Clause 6 of CEN/TR 13387-3  Clause 4.10.3 of EN71-1	-	Hazards arising from moving parts depend on the potential of the parts to cause injury where possible moving parts that can close to less than 12 mm should be avoided.  - no accessible hazardous scissoring points which can close to less than 12 mm or into which the 12 mm probe cannot enter.  - no accessible compression point which can close to less than 12 mm unless the clearance is always less than 3 mm. In some cases a clearance up to 5 mm may be acceptable depending upon the shape of the parts (e.g.: sufficiently rounded, chamfered ...)
19	Hazards from folding parts (applicable only for folding products)	With reference to CEN/TR 13387-3 P. 7	-	Products designed to fold should be designed to avoid crushing, entrapment or suffocation during use due to unintentional folding.  Products or parts of products are designed to fold, these shall be locked in use to avoid release through incomplete deployment or by an unintentional action.  It shall be obvious to the carer that the product is correctly locked in its position for use.
20	Suffocation hazards	With reference to Clause 11.2 of CEN/TR 13387-3: 11.2.5.2 soaking test, 11.2.5.3 adhesion test 11.2.5.4 tension test	-	Test in accordance with given clauses of test; plastic decals or plastic sheeting should not be removed or loosened from the product.  If plastic decals or plastic sheeting is removed it should have an area greater than 100 mm × 100 mm and an average thickness more than 0,038 mm when tested in accordance with 11.2.5.5, plastic sheeting thickness.  If the detached plastic decal or plastic sheeting has any dimension less than 100 mm (except thickness) it should not fit wholly within the small parts cylinder in any orientation and without compressing it. (detail of tests in Annex I.3)
21	Ingestion hazards	With reference to Clause 12.2 of CEN/TR 13387-3 Clause 5.1 of EN71-1	-	The article shall not comprise separate or small parts which are detachable by the force a child can apply and which can pass into the esophagus.  Any component or part of a component that is removed, whether intended to be removed without the use of a tool or not, should not fit wholly within the small parts cylinder without compression
22	Leakage Test (if applicable)	Actual Use	-	On the horizontal ground fully filled with water, and maintained for 24hrs. No leakage occurrence.
23	Hinges / Locking Mechanism	In-House Method	-	No Failure - 100 times cycling

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<b>PHYSICAL CHARACTERISTICS</b>				
24	Overall Dimensions (cm & inch) (if claimed)	Standard Measure	-	Report Actual. Shall comply with any claims (-0%, +5%).
25	Overall Weight (kg & lbs) (if claimed)	Standard Measure	-	Report Actual. Shall comply with any claims (-0%, +5%).
26	Handle Strength (if Applicable)	Actual Use	-	Heavy as claimed for 15 Min a handle
<b>Safety Requirements: Falling hazards</b>				
27	Risk of falling on protruding parts	With reference to CEN/TR 13387-3 P. 13.3 EN71-1 P. 4.9	-	Tubes, bars, levers or other similar rigid components in the form of projections which constitute a puncture hazard to a child shall be protected. The protruding component can possibly injure a falling or crawling child by their make-up, diameter or length.
28	Risk of falling off the product	Stability requirements in accordance with NF D 60-300-2 § 6.2.9 § 6.2.10 § 6.2.11.1	-	Hazards due to the fall on other obstacles such as furniture or house equipment should be reduced as far as possible. Stability tests to be adapted to this specific product from test methods described in NF D 60-300-2
29	Front stability test for toilet reducers (rings)	Stability requirements in accordance with NF D 60-300-2	-	A test mass M = 15 kg shall be applied 60 mm far from the front edge of the reducer, by the means of a Ø 200 mm loading pad; horizontal force of 20N to the outside, following a line passing by the contact point of the loading pad and the upper edge of the reducer. The toilet reducer shall remain horizontally on the lavatory seat.
30	Lateral stability test for toilet reducers (rings)	Stability requirements in accordance with NF D 60-300-2	-	A test mass M = 15 kg shall be applied between the central axis and the side of the reducer, by the means of a Ø 200 mm loading pad. Apply then a horizontal force of 20N to the outside, following a line passing by the contact point of the loading pad and the upper edge of the reducer. During the test, the toilet reducer shall remain horizontally on the lavatory seat.
31	Rearward stability test of potties	Stability requirements in accordance with NF D 60-300-2	-	The potty is placed in its normal use position on the test floor, against stoppers to prevent sliding if necessary. The stoppers have a maximum height of 12mm. Apply on the potty a mass M1 = 150N with the Ø 200 mm loading pad. At a height h1= 180 mm from the seat level and in the median axis of the seat apply a force F1= 30 N horizontally and rearward.
32	Forward stability test of potties	Stability requirements in accordance with NF D 60-300-2	-	The potty is placed in its normal use position on the test floor, against stoppers to prevent sliding if necessary. The stoppers have a maximum height of 12mm. Apply on the potty a mass M1 = 150N with the Ø 200 mm loading pad at a distance of 60 mm from the potty's front edge. Apply a horizontal force F1= 20 N, forward and along a line crossing through the contact point between the loading pad and the potty's top surface.
33	Sideways stability test of potties	Stability requirements in accordance with NF D 60-300-2	-	The potty is placed in its normal use position on the test floor, against stoppers to prevent sliding if necessary. The stoppers have a maximum height of 12mm. At a point situated halfway between the seat axis and the lateral edge on the side where the stoppers are, apply a mass M2 = 150N with the Ø 200 mm loading pad. Apply an outward horizontal force of 20 N along a line crossing the contact point between the loading pad and the potty's top surface. During the stability tests, the potty shall not tip over.
<b>Performance Characteristics</b>				
34	Breaking of components	With reference to clauses 6.2.2 and 6.2.3 of NFD 60-300-2	-	To prevent breaking of components likely to cause physical injury, articles shall be able to withstand mechanical stress to which they are subjected during use. Test methods described in NF D 60-200-2 § 6.2.2 and 6.2.3 shall be adapted to that type of product
35	Static vertical load	With reference to clauses 6.2.2 and 6.2.3 of NFD 60-300-2	-	Place the reducer on the lavatory seat. Apply a force F = 250 N downward on the product. Perform 9 cycles of 30 seconds, then perform 1 cycle of 30 minutes. After the test the product shall keep its function and shall not show any damage that could impair its safety
36	Vertical load fatigue test	With reference to NFD 60-300-2	-	Apply a force F = 150 N downward on the reducer. Perform 10 000 cycles of 2 s. After the test the product shall keep its function and shall not show any damage that could impair its safety
37	Static vertical load test of steps	With reference to NFD 60-300-2	-	Apply a force F = 250 N downward on the step. Perform 9 cycles of 30 seconds, then perform 1 cycle of 30 minutes. After the test the product shall keep its function and shall not show any damage that could impair its safety
38	Vertical load fatigue test of steps	With reference to NFD 60-300-2	-	Apply a force F = 150 N downward on the step. Perform 10 000 cycles of 2 s. After the test the product shall keep its function and shall not show any damage that could impair its safety.
39	Static vertical load test of potties	With reference to NFD 60-300-2	-	Apply a force F = 250 N downward on the potty Perform 9 cycles of 30 seconds and then perform 1 cycle of 30min After the test the potty shall keep its function and shall not show any damage that could impair its safety
40	Vertical load fatigue test of potties	With reference to NFD 60-300-2	-	Apply a force F = 150 N downward on the potty. Perform 10 000 cycles of 2 s. After the test the potty shall keep its function and shall not show any damage that could impair its safety.