


Product specific requirements: 124. Dishes and Cutlery Kids (metal)

Version: 3.0
Last update: 07.04.2022

Material	Products	Remark
Metal	plates, cups, cutlery, non-insulated container, for kids < 3 years	-



No	Parameter	Method	Reference	Requirement
General requirements				
1	Labelling for products with food contact	In House	SR 817.023.21/ EU (EC) No. 1935/2004	<p>Products which have complied with food grade safety, but have not yet come into contact with food when sold, shall be properly labelled: - A word "for foods"(for food contact), or a specific indication of their use or the "glass and fork" symbol</p> <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 Special instructions and precautions on how to use the final product if necessary. Adequate labeling for traceability</p>  <p>Required information shall be provided. Exception: not required if the product is obviously intended for food Place: Directly on the product or packaging or label or on a leaflet.</p>
2	Labelling	In House	SR 817.023.21/ 2001/95/EC/ EN 14372 (P.7.2)	<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. Place: Directly on the product, or if technically not possible - on a label / leaflet.</p>
3	Purchase information	In House	SR 817.023.21/ EN 14372 (P.7.2)	<p>a) Product identification information b) recommended age range for using the product; 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> <p>- in a clearly visible place; - in easily readable and indelible writing; - 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> <p>It is recommended that products or packaging be batch coded.</p> <p>If some information is included in a leaflet within the packaging, a note indicating that this is the case.</p>
4	Instructions for use	In House	EN 14372 (P.7.3)	<p>The following information shall be provided</p> <ol style="list-style-type: none"> 1) information for the safe use of the product; 2) at least one method of cleaning; 3) before first use, clean the product; 4) unsuitable common methods of storage, cleaning and use which might damage the product (e.g. microwaves, sunlight, dishwasher detergent); 5) if the product can be used for heating food, unsuitable methods of heating.
5	Warning	In House	EN 14372 (P.7.4)	<p>The following warnings shall be provided in the form given:</p> <p>For your child's safety and health Warning!</p> <p>Always use this product with adult supervision. Before each use, inspect the product. Throw away at the first sign of damage or weakness. Always check food temperature before feeding.</p>
6	Further instructions	In House	With reference to EN 14350-1 (P.8.3)	<ol style="list-style-type: none"> 1) Before first use place in boiling water for 5 minutes. This is to ensure hygiene. 2) Clean before each use.

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Chemical requirements to the main material																																																																																												
7	Sensory test	DIN 10955	(EU) 1935/2004; ResAP(2004)5	< 3																																																																																								
8	Migration of certain elements	EN 14372 tested in accordance with 6.3.1 Analytical method specified in EN 71-3	EN 14372 P 5.4.2.2 Table 2	Shall comply with the requirements: Soluble Lead (Pb): 25 mg/kg Soluble Antimony (Sb): 15 mg/kg Soluble Arsenic (As): 10 mg/kg Soluble Barium (Ba): 100 mg/kg Soluble Cadmium (Cd): 20 mg/kg Soluble Chromium (Cr): 10 mg/kg Soluble Mercury (Hg): 10 mg/kg Soluble Selenium (Se): 100 mg/kg																																																																																								
9	Lead	ICP-MS	SR 814.81	Allowed alloy of brass (messing); Lead total content < 0,5%																																																																																								
10	Tin (mandatory risk analysis)	ICP-MS	SR 817.023.21	Products from Tin (min. 97 % Tin); < 0,05 % Lead < 0,01% Cadmium																																																																																								
11	Tin as Alloy (mandatory risk analysis)	ICP-MS	SR 817.023.21	Sn 99,85 % < 0,01 % Lead < 0,01% Cadmium																																																																																								
12	Specific Metal Release	EN 13130 / ICP and ICP-MS	Not regulated in CH Manor requirement to follow Resolution CM/Res (2013)9	Highly recommended to follow requirements to 21 Elements according to CM/RES (2013)9 Resolution CM/Res (2013)9 on metals and alloys used in food contact materials and articles: <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>No</th> <th>W</th> <th>Element (food)</th> <th>SRL (mg/kg)</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td>Aluminium</td><td>5</td></tr> <tr><td>2</td><td></td><td>Antimony</td><td>0.04</td></tr> <tr><td>3</td><td></td><td>Arsenic</td><td>0.002</td></tr> <tr><td>4</td><td></td><td>Barium</td><td>1.2</td></tr> <tr><td>5</td><td></td><td>Beryllium</td><td>0.01</td></tr> <tr><td>6</td><td></td><td>Cadmium</td><td>0.005</td></tr> <tr><td>7</td><td></td><td>Chromium</td><td>0.250</td></tr> <tr><td>8</td><td></td><td>Cobalt</td><td>0.02</td></tr> <tr><td>9</td><td></td><td>Copper</td><td>4</td></tr> <tr><td>10</td><td></td><td>Iron</td><td>40</td></tr> <tr><td>11</td><td></td><td>Lead</td><td>0.010</td></tr> <tr><td>12</td><td></td><td>Lithium</td><td>0.048</td></tr> <tr><td>13</td><td></td><td>Manganese</td><td>1.8</td></tr> <tr><td>14</td><td></td><td>Mercury</td><td>0.003</td></tr> <tr><td>15</td><td></td><td>Molybdenum</td><td>0.12</td></tr> <tr><td>16</td><td></td><td>Nickel</td><td>0.14</td></tr> <tr><td>17</td><td></td><td>Silver</td><td>0.08</td></tr> <tr><td>18</td><td></td><td>Thallium</td><td>0.0001</td></tr> <tr><td>19</td><td></td><td>Tin</td><td>100</td></tr> <tr><td>20</td><td></td><td>Vanadium</td><td>0.01</td></tr> <tr><td>21</td><td></td><td>Zinc</td><td>5</td></tr> </tbody> </table>	No	W	Element (food)	SRL (mg/kg)	1		Aluminium	5	2		Antimony	0.04	3		Arsenic	0.002	4		Barium	1.2	5		Beryllium	0.01	6		Cadmium	0.005	7		Chromium	0.250	8		Cobalt	0.02	9		Copper	4	10		Iron	40	11		Lead	0.010	12		Lithium	0.048	13		Manganese	1.8	14		Mercury	0.003	15		Molybdenum	0.12	16		Nickel	0.14	17		Silver	0.08	18		Thallium	0.0001	19		Tin	100	20		Vanadium	0.01	21		Zinc	5
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13	Nickel release (applicable only for metal or alloys)	EN 1811:2011 + A1:2015	SR 814.81	< 0,5 µg/cm2/week.																																																																																								
14	Lead/ Cadmium/ Arsen (total content)	ICP-MS	SR 817.023.21	< 0,05 % Lead < 0,01% Cadmium < 0,03% Arsen;																																																																																								
15	Overall Migration	EN 1186	Manor requirement: recommended to follow SR 817.023.21 Art. 12	60 mg/kg (in food or liquid simulant)																																																																																								
Paints, varnishes																																																																																												
16	Lead (Pb), total content	DIN EN ISO 11885, ICP-OES	SR 817.023.21 Annex 2	n.d. in coating 100 mg/kg																																																																																								
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18	Colour release	24th Commun. on the testing of plastics, BGBl 15 (1972) 285	SR 817.02	No color release																																																																																								
19	Polycyclic aromatic hydrocarbons (PAH)	AIPS GS 2019:01 PAK	SR 817.023.41	EU 8 PAH: n.d. 0.2 mg/kg (each)																																																																																								

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Product specific requirements				
FUNCTIONAL TESTS				
20	Hygiene	Actual Use	-	All surfaces intended to come into contact with food shall be easily cleanable under normal circumstances.
21	Visual and Tactile Examination	EN 14372 P 5.2.1	-	All components of cutlery and feeding utensils when assembled for use, shall be free from points and edges which are likely to cause injury; The material shall be visually clean and free from infestation. Should be dense enough to resist slice marks that harbour bacteria and be easy to clean. should have a smooth, hard surface and rounded corner that will not chip/crack Metallic wires and accessible points shall not present an unreasonable risk of injury. The article shall be free from splinters, burrs and flash.
22	Sharp points & edges	EN 14372 P 5.2.2 & 3	-	Test in accordance with EN 71-1. Accessible points shall not be sharp points as determined in accordance with 6.2.1. Test in accordance with EN 71-1. Accessible edges shall not be sharp edges as determined in accordance with 6.2.2.
23	Small Parts	EN 14372 P 5.2.4	-	When inserted into a small parts cylinder (see Figure 4), no component part of tested sample shall fit entirely within the cylinder in any orientation and without compression.
24	Holes (Finger traps) (applies only to components made of materials with a Shore A hardness of more than 60 IRHDs)	EN 14372 P 5.2.5	-	No accessible hole which allows the insertion of a 5,5 mm diameter rod, unless the accessible hole also allows the insertion of a 12 mm diameter rod or has a penetration of < 10 mm.
PHYSICAL CHARACTERISTICS				
25	Overall Dimensions (cm & inch) (if claimed)	Standard Measure	-	Report Actual. Shall comply with any claims (-0%, +5%).
26	Overall Weight (kg & lbs) (if claimed)	Standard Measure	-	Report Actual. Shall comply with any claims (-0%, +5%).
MECHANICAL REQUIREMENTS (14372:2004-11)				
27	Tensile strength (products with more than one component)	EN 14372 P 5.3.1	-	Test according to 6.2.3. No component shall break, tear or separate during this test.
28	Torque test (If a component can be gripped between thumb and forefinger)	EN 14372 P 5.3.2	-	Test according to EN 71-1. No component shall break, tear or separate during this test.
29	Tear resistance (Components out of materials with a Shore A hardness of <60 IRHD)	EN 14372 P 5.3.3	-	Test according to 6.2.4. (excluding suction pads) The tested component shall not break, tear or separate during the subsequent tensile test.
30	Strength / rigidity (applicable to cutlery)	EN 14372 P 5.3.4	-	Test according to 6.2.5 No component of cutlery shall break, tear or separate.
31	Drop test	EN 14372 P 5.3.4	-	Test according to EN 71-1. If the product breaks, a warning shall be provided as given: "This product may break if dropped"
PERFORMANCE TESTING				
32	Dishwashing durability (If Applicable)	EN 12875-1	-	Except silver-plated, aluminium and cast iron unless claimed to be dishwasher safe: 125 cycles by hot setting 60 °C – no breakage or adverse effects, no decoration coating color change. Load in bottom rack unless claimed top loading only. If failure, must include warning label on package.
33	Hand Wash durability (if dishwasher is not applicable)	In-House Method	-	Shall exhibit no exterior surface degradation, no color change and damage after being hand washed 5 times using a national brand soap 0,5% liquid detergent at peak of 40±5°C, followed by rinse in cold water.
34	Printed decorations	EN 14372 P 5.2.6	-	Test according to EN ISO 2409; no print from decoration shall be removed from any product. Class 2 is acceptable Adhesive labels shall not be used.
35	Resistance To Corrosion	ISO 9227	-	After 24 hours in 5% salt spray (fog) after 6 h staying empty, there shall be no major discoloration in appearance or any major corrosion that would affect the overall product performance.