

Product specific requirements: 110. Food contact article wood

Version: 3.0
Last update: 07.04.2022

Material	Products	Remark
Bamboos, Different wood species, possibly with surface coatings and printing inks	plates, bowls, trays, cutlery for food preparation, kitchen gadgets tableware	Not applicable for cutting & cheese boards, bread boxes



No	Parameter	Method	Reference	Requirement
General requirements				
1	Material	In House	-	The material shall be visually clean and free from infestation. For wood items: - 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
2	Edges	In House	-	Accessible edges and corners shall not present an unreasonable risk of injury.
3	Points and metallic wires	In House	-	Metallic wires and accessible points shall not present an unreasonable risk of injury.
4	Shearing and squeezing points	In House	-	There shall be no accessible shearing and squeezing points that are created by loads during normal use. The edges of parts moving relative to each other and creating shearing and squeezing points shall be as specified in point.2.
5	Tubular components	With reference to EN 581-1:2017, Clause 4	-	There shall be no accessible holes in the ends of tubular components with a diameter between 7 mm to 12 mm and with a depth more or equal to 10 mm. The bottom of tubular legs in contact with the floor shall be closed or capped, however, holes in them are allowed as long as they are not between 7- 12 mm.
6	Metals	In House	-	Metal has to be corrosion-resistant or protected against corrosion. Aluminium is considered as corrosion resistant. This requirement is fulfilled, if there is a suitable surface coating (e.g. coated, galvanized or chromed).
7	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: 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 - A word "for foods" (for food contact), or a specific indication of their use or the "glass and fork" symbol</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>
8	Labelling	In House	SR 817.023.21/ 2001/95/EC	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.
9	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> <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>
10	Labelling for wood items	In House	SR 944.021	<p>Add. requirements for Switzerland: Trade name of the timber! Place of origin of the timber!</p> <p>Place: on the product itself, in its immediate proximity or on the packaging; if technically not possible- in some other easily accessible, legible way (shelf, catalogue); - in at least one official language (DE/IT/FR)</p>
11	Information to name of the timber	In House	SR 944.021	<p>Add. requirements for Switzerland: - Indicate the trade name of the timber and the scientific name of the timber; (set down by the EAER) - Several timber species may be given - The indication "mixed timber" is permitted if made of diff wood fibre; - If >3 components made of different timber species, min.3 species must be indicated. - The timber species of a veneer must be indicated if it covers the surface of a product.</p>

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12	Information to place of origin of the timber	In House	SR 944.021	Add. requirements for Switzerland: - The place of origin of the timber (the country in which the timber was harvested) - Several possible countries of origin may be given - If >5 countries of origin - the smallest geographical area from which the timber originated may be given - The indication 'origin unknown' are allowed - At least the place of origin of 3 species that make up the largest proportion by mass of the product must be indicated. - The place of origin of a veneer must be indicated if it covers the surface of a product.										
13	Care instruction	In House	SR 817.023.21/ SR 946.51	Recommended add. information, Example: - Only rinse by hand. - Wooden plates are recommended to be dried with a damp cloth to avoid cracks, mould etc. as well as to prevent fast deterioration. In at least one official language (DE/IT/FR).										
Chemical requirements														
Wood & Bamboo														
14	Wood preservatives: 1. Arsenic or arsenic compounds 2. Tar oils	GC-MS	SR 814.81	Treated wood may not be placed on the market: a. creosote (CAS no. 8001-58-9); b. creosote oil (CAS no. 61789-28-4); c. distillates (coal tar), naphthalene oils (CAS no. 84650-04-4); d. creosote oil, acenaphthene fraction (CAS no. 90640-84-9);										
15	Sensory test	DIN 10955	(EU)1935/2004	< 3										
16	Arsenic (As) (specially for Bamboo)	DIN EN ISO 11885 ICP-OES	SR 814.81 EG 1907/2006	Ban on use treated wood may not be placed on the market										
17	Penta-, Tetrachlor-phenol(PCP/TriCP/TeCP)	GC-ECD oder GC-MS	Not regulated in CH; EG 1907/2006	≤ 0.5 mg/kg										
18	Dimethylfumarat	GC-MS	SR 814.81 EG 1907/2006	0,1 mg/kg										
19	Overall Migration	EN 1186	With reference to SR 817.023.21 Art. 12	60 mg/kg (in food or liquid simulant)										
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FUNCTIONAL TESTS														
20	Hygiene	Actual Use	-	All surfaces intended to come into contact with food shall be easily cleanable under normal circumstances.										
21	Stain Resistance	Actual Use	-	No permanent staining after applying fruit juice to different spots. Let stand 2 hours. Wash 1 cycle in hot dishwasher (Or if not dishwasher safe, soak 30 min. in hot, soapy water).										
22	Drop Impact Test	Actual Use	-	Sample shall not produce any breakage, cracking or other abnormalities after 3 drops from a height of 80 cm onto a concrete (tile, stone or iron) floor.										
23	Stability Test (Applicable to Free-standing Items)	Actual Use	-	The sample shall not overbalance on a 10-degree slope in all directions. Still stable, wobble a little bit										
24	Stiffness of trays	Actual Use	-	Deflection under load (below) shall no exceed 5% <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Size of Trays, cm2</th> <th>Load mass for tests, kg</th> </tr> </thead> <tbody> <tr> <td>till 500</td> <td>1,5</td> </tr> <tr> <td>> 800</td> <td>1,8</td> </tr> <tr> <td>>1200</td> <td>2,0</td> </tr> <tr> <td>>1700 and more</td> <td>2,5</td> </tr> </tbody> </table>	Size of Trays, cm2	Load mass for tests, kg	till 500	1,5	> 800	1,8	>1200	2,0	>1700 and more	2,5
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PHYSICAL CHARACTERISTICS				
25	Overall Dimensions (cm & inch) (Applicable if claimed)	Standard Measure	-	Report Actual. Shall comply with any claims (-0%, +5%).
26	Volume or Capacity (L or lq. oz) (Applicable if claimed)	Standard Measure	-	Report Actual. Shall comply with any claims (-0%, +5%). Not for calibration!
27	Handle Strength (Applicable if claimed)	Actual Use	-	For items with 1 handle: twice heavier as claimed for 5 Min: For items with 2 handles: heavy as claimed for 15 Min a handle
PERFORMANCE TESTING				
28	Functionality	In House	-	The sample shall function as intended or as claimed in the state of as-received.
29	Moisture Content (%) (For Solid Wood)	In House Method	-	Moisture content determined: 8 – 12%
30	Effects of Humidity (For Solid Wood)	In House Method	-	No change after 24 hours at 95% RH & 40°C (100°F)
31	Hinges / Locking Mechanism (If Applicable)	In-House Method	-	No Failure - 100 times cycling
32	Cyclic Durability Of Rotating / Moving Components (If Applicable)	In House Method	-	Each rotating / moving component shall sustain 100 cycles of operations without failure and able to provide a smooth uniform operation after the test.
33	Leakage Test (If Applicable)	Actual Use	-	On the horizontal table fully filled with boiling water and soap detergent with 0,5 % of a surfactant, and maintained for 30 min. No leakage occurrence.
34	Resistance to Hot Water (If Applicable)	SGS in-house method	-	Resistance to Boiling Water For Cup, fill the sample to ¼ "below the rim with boiling water. For plate, fill the sample fully with boiling water for 30 Minutes. Results: Shall Be No Collapse or Deterioration Of The Material
35	Heat Transmission (If Applicable)	Actual Use	-	Fill the sample with boiling water and just cool down in room temperature, then measure the surface or handle temperature. Maximum surface temperature: 60°C
36	Snap Fit Lid (If Applicable)	Actual Use	-	Lid shall fit securely to the body of the sample. Snap fit lid shall fit onto cup/container.
37	Dishwashing durability (Only If Claimed)	EN 12875-1	-	125 cycles according to the care instruction if any; if not- at hot setting. No breakage or adverse effects, no color change and damage. If failure, must include warning label on package.
38	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.