

Product specific requirements: 200. Heating plate devices

Version: 4.0
Last update: 06.04.2022

Material	Products	Remark
-	Heating plate devices	-

No	Parameter	Method	Reference	Requirement
Safety				
1	LVD	-	Low Voltage Directive 2014/35/EU EN 60335-1 EN 60335-2-9 EN 62233	
2	EMC	-	EMC Directive 2014/30/EU EN 55014-1 EN 55014-2 EN 61000-3-2 EN 61000-3-3	Have to fulfil requirements
3	ErP	-	Eco-design Directive 2009/125/EC (Erp) (EC) No 1275/2008 (EC) No 801/2013	Have to fulfil requirements
Chemical Requirements				
4	WEEE	-	Directive 2012/19/EU EN 50419	Have to fulfil requirements
5	RoHS	-	Directive 2011/65/EU amended by EU directive 2015/863	Have to fulfil requirements
6	PAHs	-	REACH regulation 1907/2006/EC Annex XVII Entry 50 (EU) 1272/2013	Have to fulfil requirements
7	PAHs	-	AfPS GS 2019:01 PAK	Have to fulfil requirements
8	REACH SVHC	-	Regulation (EC) No 1907/2006	Have to fulfil requirements
9	Food Contact Material	-	Regulation (EC) No 1935/2004	Have to fulfil requirements
10	Food Contact Material	-	or Décret 92-631/ Decree 92-631 Décret 2007-766 / Decree 2007-766 DGCCRF 2014-108/	Have to fulfil requirements
11	Food Contact Material	-	LFGB Section 30,31 BfR recommendation	Have to fulfil requirements
12	Food Contact Material	-	Regulation (EC) No 2023/2006	Self-declaration
13	Food Contact Material	-	Regulation (EU) 2018/213	Have to fulfil requirements
14	Food Contact Material	-	French Act No. 2012-1442	Have to fulfil requirements
15	SCCP	-	POPs Regulation (EU) 2019/1021 and its amendments	Have to fulfil requirements

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Performance Requirements				
16	Durability	Actual Use	-	<p>Switch test</p> <p>Test preparation Set rated voltage; Pre-condition the sample; Set maximum setting of the operation switch. Test cycle Press all of the switch at a frequency of 6-10/Min</p> <p>Rating(cycles): Very Good ≥ 3000 Good ≥ 2400 Satisfactory ≥ 1800 Sufficient ≥ 1200 Poor < 1200</p>
17	Durability	Actual Use	-	<p>Endurance</p> <p>Test preparation Set rated voltage Pre-condition the sample; Set maximum speed setting of the operation switch. Test cycle Operation without load: 30 min Rest time: 30 min</p> <p>Operation time is counted for rating</p> <p>Rating(hours): Very Good ≥ 400 Good ≥ 340 Satisfactory ≥ 280 Sufficient ≥ 220 Poor < 160</p>
18	Durability	Actual Use	-	<p>Corrosion resistance</p> <p>Test preparation The corrosion resistance of metal accessories are evaluated The accessories are put in 1% NaCl solution at 60 °C for duration of 6 hours After test the surface of the accessories are examined for rust</p> <p>Rating: Pass: No rust was detected after test. Fail: Rust was spotted on the surface of accessories after test.</p>
19	Function Test	Actual Use	-	<p>Function check</p> <p>All the major features shall be matched with the installation and use instructions and claims made on the packaging, with no inaccurate or misleading statements about the product, or any other user-friendliness problems.</p>
20	Function Test	Actual Use	-	<p>Heating cheese</p> <p>Test preparation Set rated voltage Pre-condition the sample; Set maximum speed setting of the operation switch; Per 50 g Flaky cheese is fed into every heating plate(the test process must be according to instruction manual); After test the heating quality is evaluated subjectively</p> <p>Quality of cheese processed (g) : Time to process (s) : Energy consumed (mWh) : Speed setting : The max. temperature of surface which can be touched by users : Accessories used : Heating quality :</p>
21	Function Test	Actual Use	-	<p>Other function provided by appliance</p> <p>Test preparation If there are accessories providing other processing function they should be operated to check if abnormal condition is found</p>
22	Handling	Actual Use	-	<p>Unpacking / assembly</p> <p>Check the suitability and convenience for unpacking and assembly the sample.</p>
23	Handling	Actual Use	-	<p>Installation</p> <p>Check the suitability and convenience for installation.</p>
24	Handling	Actual Use	-	<p>Plates and accessories</p> <p>Check the suitability and convenience for installation, assembling and using of the accessories.</p>

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25	Handling	Actual Use	-	Weight / Balance Record the net weight of the sample with necessary accessories installed. Check the balance and stability of it.
26	Handling	Actual Use	-	Radius of action Record the length of the power cord. Check if it is long enough when using.
27	Handling	Actual Use	-	Switch / Buttons Check the suitability and convenience for switch or buttons.
28	Handling	Actual Use	-	Handle
29	Handling	Actual Use	-	Maintenance Check the maintenance operations of the sample according to the instruction manual.
30	Handling	Actual Use	-	Care Check the care operations of the sample according to the instruction manual.
31	Handling	Actual Use	-	Cleaning Check the suitability and convenience for clening.
32	Finishing	In-House Method	-	Housing Marking Switch / Buttons Tools and accessories Power cord Handle Check the workmanship and type of the product.

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No	Parameter	Method	Reference	Requirement	
Instruction manual					
33	Instruction manual	In-House Method	DIN EN 82079-1:2013-06 DIN EN 60335-2-9 DIN EN 82079-1:2018	Product identification	Check for : - Type - Description - Technical data - Address of Retailer / Distributor / Manufacturer
				Safety instruction	- All safety instructions acc. safety standard are included - Additional instructions by manufacturer - Hazards from special features - Explanation of symbols / pictograms - Information in case of emergency
				Information for use	-Intended purpose of use, features, ranges of adjustment - Intended use - Forbidden and not intended use
				Installation / assembly	Unpacking, checking, assembling, installation, transport
				Putting into operation	- Safety warning before each operation step - Putting into operation - Explanation and assembly of accessories - Explanation of controls
				Performing work process	Performing work process Handling and adjustment of special features
				End work process	Ending work process
				Care / maintenance	- User maintenance - Type / consumption / quantity of auxiliary supplies - Maintenance by service centre - Cleaning and lubrication - Storage / abandonment
				Troubleshooting	Checklist
				Guarantee / service	- Warranty declaration - Service address / reachability - Spare parts list - Recycling / proper disposal information appliance - Recycling / proper disposal information packaging
	Layout	- Page size / paper quality - Binding - Height of characters - Line spacing and length - Colour / Black & White - Photos / sketches - Drawings / tables			
	Language / grammar	- Comprehensibility - Correctness of grammar / spelling - Language checked			