

Product specific requirements: 163. Scooters, Skateboards, Roller Skates, Inline Skates - Sports and Leisure Equipment

Version: 3.0
Last update: 06.04.2022

Material	Products	Remark
-	Scooters, Skateboards, Roller Skates, Inline Skates - Sports and Leisure Equipment	-

No	Parameter	Method	Reference	Requirement
General requirements				
1	General Product Safety	-	2001/95/EEC	Have to fulfil requirements
2	PrSG	-	SR 930.11	Have to fulfil requirements
3	EU Toy Safety Directive	-	2009/48/EC	Shall comply with the requirements of the standard.
4	Scooter		EN 14619	intended for children with a body mass of 50 kg or less would be considered as toy scooter
5	Skateboards		EN 13613	intended for children with a body mass of 20 kg or less would be considered as toy
6	Roller Skates		EN 13899	intended for children with a body mass of 20 kg or less would be considered as toy
7	Inline Skates		EN 13843	intended for children with a body mass of 20 kg or less would be considered as toy
Chemical				
8	Phthalates	ISO 14389	SR 817.023.41 EU REACH Annex XVII	DEHP+DBP+BBP < 0,1% (Total) DINP+DIDP+DNOP < 0,1% (Total)
9	Lead (Pb), total content	Acid digestion / AAS or ICP	SR 817.023.41 EU REACH Annex XVII	Paints and varnishes, Plastic: 100 mg/kg
10	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
11	Polycyclic aromatic hydrocarbons (PAH)	A/PS GS 2019:01 PAK	EU REACH Annex XVII	Have to fulfil requirements
12	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

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Construction / Workmanship Qualities / Performance Testing				
13	Workmanship	Visual Inspection	-	<ul style="list-style-type: none"> Shall have no components missing, malformed or fractured Shall have no hardware missing Welds shall be smoothly ground and free of pits and splatter Shall have no burrs or sharp edges on any component Shall present proper and even adhesion Components shall be even in color
14	Sharp Edge or Sharp Point	Ref EN 71-1	-	No sharp edges or points unless required for functionality.
15	*Resistance To Corrosion (Metal Parts Only)	ASTM B117/ISO 9227 NSS mod.	-	Shall withstand 24 Hours in 1% Salt Spray (Fog) with no major visual change, pitting or corrosion (for indoor products); Shall withstand 24 Hours in 5% Salt Spray (Fog) with no major visual change, pitting or corrosion (for outdoor products)
16	Hygiene	Actual Use	-	The sample shall be easily cleanable under normal circumstances.
17	Assembly and fold up	Actual Use	-	The sample shall be easily assembly. The fold up and unfold shall be easy to operate.
18	Push and accelerate	Actual Use	-	The scooter shall be easy to push and accelerate.
19	Riding	Actual Use	-	Ride on the scooter straight forward, slalom racer and also do the elk test. The riding feeling shall be smooth and easily to handle with different situations. Evaluate if it is safe to ride on dry and wet floor.
20	Brake	Actual Use	-	Test the brake on dry and wet floor. The brake shall be easily to operate and efficiency.
21	Carrying	Actual Use	-	The scooter shall be easy to carry.
22	Parking	Actual Use	-	The scooter shall be easy to park on a flat surface and the scooter shall not tip over.
Instruction manual / Labeling				
23	Labeling / Packaging Review	-	GFSD 2001/95/EC SR 930.11	Should be legibly marked with the following information: Distributor's name, trademark or other means of identification of the manufacturer or packer Product identification Net quantity of the contents in terms of weight, measure or numerical count (Metric & UK Standard) or a combination so as to give accurate information and facilitate value comparison by the consumer
24	Country of Origin Marking	Visual Check	-	Shall indicate country of origin legibly.
25	Verify Label Claims	Visual Check/ Actual Use	-	The labeling must comply and valid with all claims described above.
26	Overall Dimensions (Applicable If Claimed)	Visual Check	-	Report overall dimensions. Must comply with all claims made on the product, the packaging and/or supplied specifications (-5% / +5%). If the dimension required by relative standards, the result should be comply with them.
Others				
27	*Transportation Test for Package	ISTA 1A /1B	-	The product shall not be damaged and the package shall remain intact and protective to the product.