

Product specific requirements: 162. Bicycles, saddle height of more than 435 mm and less than 635 mm

Version: 3.0
Last update: 06.04.2022

Material	Products	Remark
-	Bicycles, saddle height of more than 435 mm and less than 635 mm	-

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	Bicycles for Adults	-	EN ISO 4210	Shall comply with the requirements of the standard.
Chemical				
4	Phthalates	ISO 14389	SR 817.023.41 EU REACH Annex XVII	DEHP+DBP+BBP < 0,1% (Total) DINP+DIDP+DNOP < 0,1% (Total)
5	Lead (Pb), total content	Acid digestion / AAS or ICP	SR 817.023.41 EU REACH Annex XVII	Paints and varnishes, Plastic: 100 mg/kg
6	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
7	Polycyclic aromatic hydrocarbons (PAH)	AiPS GS 2019:01 PAK	EU REACH Annex XVII	Have to fulfil requirements
8	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
Labeling				
9	Labeling / Packaging Review (If Applicable)	Visual Check	-	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
10	Country of Origin Marking	Visual Check	-	Shall indicate country of origin legibly.
11	Verify Label Claims	Visual Check/ Actual Use	-	The labeling must comply and valid with all claims described above.
Physical Characteristics				
12	Dimensions (Length x Width x Height, unit: inch)	Std. Measure	-	Report overall dimension; shall meet label claims (if applicable).
13	Total Weight (lbs)	Standard Measure	-	Report overall weight; shall meet label claims (if applicable).
14	Material Type	Visual Inspection	-	As Claimed

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Construction Qualities				
15	Workmanship	Visual Inspection	-	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.
16	Sharp Edge or Sharp Point	Ref EN71-1	-	No sharp edges or points unless required for functionality.
Physical Characteristics				
17	Functionality of Use	Visual check/Actual use	-	All aspects of the sample shall function properly as intended or claimed or stated in label with no performance defects.
18	Luggage carriers for bicycles	ISO 11243	-	Shall comply with the requirements of the standard.
19	*Resistance To Corrosion (Metal Parts Only)	ASTM B117/ ISO 9227 NSS mod.	-	Shall withstand 24 Hours in 5% Salt Spray (Fog) with no major visual change, pitting or corrosion.
20	Hygiene	Actual use	-	The sample shall be easily cleanable under normal circumstances.
21	Assembly	Actual Use	-	Assembly shall be easy, adjustment of the saddle position shall be easily to operate. The lighting shall be easy to assemble if any.
22	Pushing	Actual Use	-	The bicycle shall be easy to push.
23	Acceleration and deceleration	Actual use	-	The bicycle shall smooth to acceleration and deceleration and the bicycle shall stay stable during the acceleration and deceleration.
24	Comfort of Riding	Actual use	-	Ride on the bicycle and evaluate comfort of riding: Riding, suspension system, riding position and handle position, noise and the parking on the rack.
25	Brake	Actual use	-	Ride on flat road and mountain road or slope, operate the brake and evaluate the effectiveness of the brake.
26	Ride stability with / without luggage	Actual use	-	Put 25 kg luggage on the bicycle and feel the stability status of the bicycle when riding.
27	Parking	Actual use	-	The bicycle shall be easy to park and stay stable when the kick stand is engaged.
28	Carrying	Actual use	-	Carry the bicycle and evaluate if the bicycle is easy to be carried.