

AQL Collapsible Jerry cans 20L, Specifications and Quality Control

Items	Characteristics	PASS /FAIL	Results	Required value
Jerry cans 20L	Material	PASS	LDPE	Manufactured of food grade LDPE
	Material - Overall migration -simulants representing aqueous foods EN 1186 - Immersion (A) + Regulation 10/2011/CE.	PASS	<1 mg/dm ²	Overall migration < (or =)10 mg/dm ² .
	Material - Specific migration of 7 heavy metals on plastics simulants representing aqueous foods EN 13130 1 Regulation 10/2011/CE	PASS	Barium <0.1 mg / kg; Cobalt <0.01 mg / kg; Copper <0.1mg / kg; Iron <1 mg / kg; Lithium <0.1 mg / kg; Manganese <0.1 mg /kg; Zinc <0.1mg/kg Aluminium <0.1 mg /kg	Barium <0.1 mg / kg; Cobalt <0.05 mg / kg; Copper <5 mg / kg; Iron <48 mg / kg; Lithium <0.6 mg / kg; Manganese <0.6 mg / kg; Zinc <25mg / kg;
	Weight	PASS	281 g	Minimum 270g
	Handle	FAIL	A built-in carrying handle with 8,1 cm long and 2,5 cm high, with no sharp edges	One or two built-in carrying handle/s with minimum 9 cm long and 3 cm high, with no sharp edges, OR one or two carrying handle/s made of plastic, attached to the bag with two galvanized steel rings.
	Cap & string	PASS	A screwable cap with tap for filling and discharge that is linked to the container by string with diameter of 2.5 mm and 220 mm length.	A screwable cap with tap for filling and discharge that is linked to the container by polyamide string with diameter of minimum 1mm and 120mm length.
	Jerrycan inlet interior diameter	PASS	40,5 mm	Jerrycan inlet interior diameter: Minimum 30 mm.
	Capacity	PASS	21,1 l	Minimum 20 liters
	Shape	PASS	The jerrycan stand by itself, even when filled with less than ¼ of its maximum volume	Square or rectangular. The plastic used has to be translucent. Must stand by itself, even when filled to 1/4 of its maximum volume.
	Cap leakage test	PASS	No leakage after filled with 20 l of water for 10 min in upside down orientation	No leakage should be found after filled with 20 liters of water for 10 minutes in upside down orientation
	String test	PASS	5,1 kg	The string should not break after applied 2 kg tension force.
	Handle traction test	PASS	The handle resist the traction when filled with 20l of water for 10 min.	The handle must resist the traction test when filled with 20 liters of water for 10 mn. Handle should not break or crack.
	Drop test	PASS	The jerrycan resist to 10 consecutive drops from 2 m high, containing 20 l of water	The collapsible jerrycan must be filled with 20 liters of water. Drop the filled sample from 2 m (the lowest point is at 2m from the ground) to smooth concrete surface for 10 consecutive drops at ambient temperature. Report the number of drops the sample passed without leakage. Requirement: minimum 3 drops without leakage.