

	Status	VALIDATED	Unified Technical Specifications: Collapsible jerrycan 10L			QSE WORKING GROUP
	Date	24/03/2026				
	Version	1.0				
Nonconformities classification: Critical: C; Major: M; Minor: m			The Quality, Social and Environmental Working Group (ICRC, IFRC, IOM, MSF, UNHCR, UNICEF, and UNHRD) promotes Unified Technical Specifications, joint action, and innovation to improve the quality, sustainability, and ethical procurement of humanitarian relief items.			
	Characteristics	Non conformities classification	QC type	AQL	Requirements	
Parcels	Marking on the parcel	m	Ok/Nok	6,5	Marking expected (printed on the carton): 30 or 50 Jerry cans, 10 L, plastic, foldable. No logo of the supplier allowed. Logo and Country of origin upon request.	
	Parcel sealing	m	Ok/Nok	6,5	Parcel well sealed with large adhesive tape (50 mm minimum).	
	Parcel quality	m	Ok/Nok	6,5	Boxes of export quality minimum 5 ply with reinforced corner to withstand stacking to 4m high on pallet at the base of the pile, without any damages. The final package should resist without any damage to the corresponding weight applied on a strong rigid board on top of the box.	
	Packing	m	Ok/Nok	6,5	The packing must guaranty that the jerry cans are arranged in line side by side, Items to not be wrapped in single use plastics or any individual packaging.	
	Content	m	Ok/Nok	6,5	50 or 30 jerry cans per parcel as per contract .	
	Material	C	Ok/Nok	0,0	Manufactured of food grade Polyethylene LDPE, and food grade Polypropylene PP. Food grade must be certified from competent /accredited laboratory as per EN 1186-3-9 and regulation EU 2020/1245 in force from 23 sept 2020 (no toxic elements, no migration of heavy metals) If recycled raw materials: - For PCR-PE/PP, presence of FDA certificate and GRS certificate mandatory - For PIR-PE/PP presence of GRS certificate mandatory.	
	Recycled content				Depending on the terms of the contract, using material from recycled origin can be either mandatory or preferred. As described by the Circular Plastic Alliance of the EU commission in EN 45557 and the US Federal Trade Commission Green Guides in accordance with ISO14021 principles, recycled plastic includes post-industrial recycled (PIR) and post-consumer recycled (PCR), it excludes reworked material. In this last case, even though using waste from the same production is accepted, it does not count as material from recycled origin. Note that PCR is preferred to PIR.	
	Material: Overall migration	C	Ok/Nok	0,0	Overall migration- simulants representing aqueous foods EN 1186- Immersion (A) + Regulation 10/2011/CE. Overall migration < (or =)10 mg/dm2.	
	Material: Specific migration	C	Ok/Nok	0	Specific migration of 7 heavy metals on plastics simulants representing aqueous foods EN 13130-1 Regulation10/2011/CE: 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	m	Measurement	6,5	Minimum 180g	
	Handle	M	Ok/Nok	4,0	A built-in carrying handle with minimum 9 cm long and 3 cm high, with no sharp edges.	

Cap & string	M	Ok/Nok	4,0	A screwable cap for filling and discharge that is linked to the container by polyamide string/strap with diameter of minimum 1mm and 120mm length.
Tap	M	Ok/Nok	4,0	The cap includes a tap if required in contract.
Jerrycan inlet interior diameter	M	Measurement	4,0	Jerrycan inlet interior diameter: Minimum 50mm.
Capacity	M	Measurement	4,0	Minimum 10 litres
Shape	M	Ok/Nok	4,0	The semi-collapsible 10L jerrycan should be easy to fill up and pour from, comfortable to carry for the end user and have no sharp edges. Square or rectangular. Made of translucent plastic. Must stand by itself, even when filled to 1/4 of its maximum volume.
General quality	M	Ok/Nok	4,0	No holes, tears and sharp edges. Smooth and clean surface finish
Jerrycan marking	m	Ok/Nok	6,5	Manufacturer identification, manufacturing month and year, identification symbol of the plastic type molded on the jerrycan
Life span	M	Ok/Nok	4,0	Minimum 6 months of use under tropical conditions.
Shelf life	M	Ok/Nok	4,0	Minimum 3 years when kept in original packaging at a temperature interval from –10°C to 50°C and up to 75%HR
Cap leakage test	M	Ok/Nok	4,0	No leakage should be found after <u>filled with 10 liters</u> of water for 10 minutes in upside down orientation
String test	m	Ok/Nok	6,5	The string should not break after applied 2 kg tension force.
Handle traction test	C	Ok/Nok	0,0	The handle must resist the traction test when <u>filled with 10 liters</u> of water for 10 mn. Handle should not break or crack.
Drop test	C	Ok/Nok	0,0	The Collapsible Jerry Can must be <u>filled up to the top</u> with water. Drop the filled sample from 2m (the lowest point is at 2m from the ground) to smooth concrete surface at ambient temperature. The sample must pass without any damage such as bursting and or leakage. The cap must keep firmly tight to the jerrycan. Only few drops of water through the cap gasket are allowed, continuous dripping through the cap is not allowed. Requirement: Pass 3 successful consecutive drops for each tested sample.