Specifications

Material specifications

Stainless steel:

- For the tableware (plates, cups, bowls, forks, spoons and table knives):
  ISO type 1.4016 (American grade 430), or
  ISO type 1.4301 (American grade 304).
- For the cookware (cooking pot and pan):
  ISO type 1.4016 (American grade 430), or
  ISO type 1.4301 (American grade 304).
- Food grade to be certified in conformity with EU regulations n°1935/2004 on materials and articles intended to come into contact with food. Surface roughness RaÒ0.8micrometer.
- Applicable standard as per publication EN 10088-1.
- The manufacturer of the kitchen set ensures that if the raw material used radioactive content it must be below the values provided in tables 1 and 2 of the IAEA Safety Standards Series Safety Guide No RS -G-1.7 ñAPPLICATION OF THE CONCEPTS OF EXCLUSION, EXEMPTION AND CLEARANCEò. The supplier certifies that the items manufactured were checked for radiation prior to shipment and were found free from radioactivity. A certificate will have to be issued by the supplier.

Aluminium, alternative material for cooking pots and frying pan:

- Aluminium type Al99,0 or above as per publication ISO 209-1 (minimum 99% aluminium). Other elements as per EN 602.
- Publications with applicable standards:

ISO 209-1: *Wrought aluminium and aluminium alloys ï* alloys - Chemical composition and forms of products - Part 1: Chemical composition..

EN 602: *Aluminium and aluminium alloys - Wrought products - Chemical composition of semi products used for the fabrication of articles for use in contact with food*.

Black steel items:

Black steel, cold-hammered common mild steel

Design of the items:

Manufacturers and suppliers are invited to provide items with designs that improve the performance of the material, considering different types of design bends/veins on the pots, lids, bowls, plates, spoons, forks, knives and cups.

Specifications per item:

1 x COOKING POT, 7l (frying pan lid fits)

Capacity: 7 litres minimum total inner volume
Material: stainless steel (or aluminium where specified in contract)
Diameter: min 25cm, max 28cm internal diametre

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Thickness: min 0.8mm in the center of the bottom and minimum 0.6mm at 20mm from the top of the wall (aluminium min1.75mm)
Handles: 2 stainless steel handles, attached with leakage-proof rivets, or welded, bent upward to allow a hanging bar to pass through (aluminium handles for aluminium pots)
Handles to resist to 20kg load in the normal usage position
Lid: refer to frying pan
Finish: no sharp edges, food grade surface finish RaÒ0.8micrometer

1 x FRYING PAN, 2.5l, used as lid for the 7L cooking pot

Capacity: 2.5 litres minimum total inner volume
Material: stainless steel (or aluminium if specified in contract)
Diameter: Adapted as a lid for the 7 litre cooking pot.
Handle: 1 detachable stainless steel or aluminium handle 190mm +/-10mm
Handle to resist to 10kg vertical load measured at 15cm distance from the inside of the pan
Thickness: min 0.8mm in the center of the bottom (aluminium min 1.75mm)
Finish: no sharp edges, food grade surface finish RaÒ0.8micrometer

1 WOK, 7L, black steel

Capacity: 7 litres
Material: black steel, protected from rust for storage with a food contact product
Diameter: min 37cm, max 39cm
Thickness: min 1mm in the center of the wok
Finish: no sharp edges, food grade finish

5 x BOWL, 1L, metallic

Capacity: 1 litres
Material: stainless steel
Height: 5 to 7cm
Thickness: min 0.5mm in the center of the bottom
Finish: no sharp edges, food grade surface finish RaÒ0.8micrometer

5 x PLATE, 0.75L, metallic

Capacity: 0.75 litres minimum
Material: stainless steel
Thickness: min 0.5mm in the center of the bottom
Diameter: 24 to 25cm (must be adapted to the size of the cooking pot to be packed inside)
Finish: no sharp edges, food grade surface finish RaÒ0.8micrometer

5 x CUP, 0.3L, metallic

Capacity: 0.3 litres minimum
Material: stainless steel
Thickness: min 0.5mm in the bottom and 0.4mm at 20mm from the top of the wall
Handle: Securely welded. Handle to resist to 1kg pulling

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Finish: no sharp edges, food grade surface finish RaÒ0.8micrometer

5 x SPOON, table, 10ml, stainless steel

Capacity: 10ml minimum
Material: One-piece stainless steel, solid
Length: 17cm minimum
Thickness: min1mm in the center of the scoop, must not bend to a weight of 2kg applied at the extremity of its scoop when clamped horizontally at its middle
Finish: no sharp edges, food grade surface finish RaÒ0.8micrometer

5 CHOPSTICK, 25cm

Material: plastic or bamboo.
Length: 25cm
Thickness: min. 4x4mm
Finish: no sharp edges, food grade, rounded at the end

1 x KNIFE, kitchen, 15cm stainless steel blade

Material: stainless steel blade of appropriate grade, wood or plastic handle
Thickness: blade base min 1.5mm, measured at the middle of the blade
Length: Blade 15cm usable length minimum
Finish: no sharp edges apart from one cutting edge only, food grade surface finish RaÒ0.8micrometer for the blade

1 x SPOON, wooden, stirring, 30cm

Material: Hardwood.
Thickness: 10mm diameter min for the handle
Length: 30cm minimum
Finish: no sharp edges, smooth finish, no chips, no knots, food grade surface finish

1 x SCOURING PAD

Material: stainless steel wire scouring pad, 20g minimum

Packaging and Marking

Type: 1 carton box, outer dimensions 0.4 x 0.4 x 0.25m.
Height dimension shall be adjusted to the parcel content.
Material: double-corrugated, 5 plies, export-quality cardboard
Strength: withstands 6m-high stacking for more than 48h, and 10 handlings. The final package should resist without any damage to a weight or a pressure of 120 kg applied on a strong rigid board on top of the box.
Seal: Long lasting 50mm tape
Name: KITCHEN SET, type óBô
Content: Name and content list to be printed on the outside of the box

Packaging:

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The primary and secondary packages must be sized in order to protect the goods, avoiding empty space inside the packages, and avoiding empty spaces between boxes on pallets, allowing palletization on pallets of 0.8m x 1.2m without exceeding the size of the pallet.
Avoid any unnecessary sub-packaging, especially the single use plastic foils or bags. When sub-packaging is necessary, prefer 100% degradable materials such as paper or cardboard or starch based plastics.

Test of the box:
The sealed box with its content must withstand the equivalent weight of a pile of the same box at the foreseen height. The equivalent weight is placed for 12h on a wood board on the box. The wood board size exceeds the box size by at least 20mm on each side. The box is placed on a standard pallet, in a corner. When the specific pile height is unknown, the standard height is 4m.
Example: a box of gross weight 12kg, foreseen pile height is 4m, height of the box is 0.25m. The box must withstand the weight of 11 identical boxes (4m divided by 0.25m, minus one box). This box will be tested with 132kg (11 x 12kg).