

**CHECKLIST FOR CHEMICAL/BACTERIOLOGICAL TESTS REQUIRED FROM
ACCREDITED LABORATORIES OF EXPORTING COUNTRIES OR FROM
GOVERNMENT ANALYST DIVISION, REDUIT**

ANNEX

2

<u>Food item</u>	<u>Tests Required</u>
Any novel food	<ol style="list-style-type: none"> 1. * Heavy metals level 2. Total aflatoxins level 3. *Level of Saturated fatty acid per 100g of edible portion <i>(*applicable only to food containing edible oil or fat)</i> 4. Pesticide residue level
Baby feed bottle, teat, nipple and baby feed mug	<ol style="list-style-type: none"> 1. Nitrosamine level 2. Level of Bisphenol A
Bottled water	<ol style="list-style-type: none"> 1. Total dissolved solids (mg/L) 2. pH 3. Bacteriological analysis <ul style="list-style-type: none"> • Total viable colony count • Total coliform • E Coli • Faecal streptococcus • Salmonella • Pseudomonas Aeruginosa • Sulphite reducing clostridium 4. Turbidity –amount per NTU 5. Colour (amount PT-CO) 6. Trace metals- Aluminium, Arsenic, Cadmium, Copper, Lead, Mercury, Total chromium, Zinc, Nickel (mg/L) 7. Anions – chloride, fluoride, sulphate (mg/l) Nitrate mg/l as NO₃; Nitrite mg/l as NO₂ 8. Pesticide level for Aldrine and Dealdrine, DDT, Lindane, HCB, Methoxychlor, Heptachlor and Heptachlor oxide (mg/L)

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Canned food for infant and child	<ol style="list-style-type: none"> 1. * Heavy metals 2. Total sodium content on a ready-to-eat basis 3. Level of Pesticides 4. Level of aflatoxins for food containing nuts & cereals 5. Level of Saturated fatty acid per 100g edible portion for food containing edible oil or fat 6. Melamine content 7. Microbiological examination
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<u>Food item</u>	<u>Tests Required</u>
Edible fat and oil, including shortening	<ol style="list-style-type: none"> 1. Content <ul style="list-style-type: none"> • Density at particular temperature • Refractive index at 40 °C • Iodine value • Acid value • Peroxide value • Saponification value • Unsaponifiable matter • Mass of erucic acid (for soyabean oil) • Total carotenoids of the oil of the red palm [for edible palm oil] • Reichert value & polenske value (for refined coconut oil) 2. Level of food additives (colour, preservative, antioxidant, emulsifier, anti-foaming agent and stabilizer) 3. * Level of Heavy metals 4. Level of Saturated fatty acid per 100g edible portion 5. Level of Bisphenol A

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Blended edible oil	<ol style="list-style-type: none"> 1. Type of oils used for blending 2. Peroxide value 3. Level of Saturated fatty acid per 100g edible portion 4. % of palm oil if present in the blended oil 5. Level of food additives 6. *Level of heavy metals. 7. Level of Bishphenol A
Margarine	<ol style="list-style-type: none"> 1. Content <ul style="list-style-type: none"> • % fat • % water • % salt • Amount of vitamin A in 100 g of product • Amount of vitamin D in 100 g of product • % of polyunsaturated fatty acids • Level of Saturated fatty acid per 100g edible portion 2. Level of food additives (preservatives, colours, antioxidant, emulsifier, acidity regulator and stabilizer). 3. *Level of Heavy Metals <p>Amount of cholesterol per 100 grams of margarine(in case of polyunsaturated margarine)</p>

<u>Food item</u>	<u>Test Required</u>
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Vanaspati	<ol style="list-style-type: none"> 1. Content <ul style="list-style-type: none"> • % of vegetable fat • % water • Presence of animal fat / animal oil • Unsaponifiable matter per kilogram • Slip point • Free fatty acid content 2. Level of food additives (antioxidant, colour and emulsifier) 3. *Heavy metals 4. Level of Saturated fatty acid per 100g edible portion
Ghee	<ol style="list-style-type: none"> 1. Content- %milk fat, 2. any substance foreign to milk or cream or butter 3. Moisture content 4. Level of food additives (Antioxidant) 5. Peroxide Value level 6. *Heavy metals level
Irradiated food	<ol style="list-style-type: none"> 1. *Heavy metals level 2. Level of ionisation

***Heavy metals (Arsenic, Antimony, lead, Copper, Tin, Zinc, Mercury, Cadmium, Selenium)**

NOTE

1)	For Imported Products	An original certificate of analysis from an accredited laboratory from the country exporting the product, certifying the chemical composition and microbiological safety of the product should also be produced to this office.
2)	For Locally Manufactured Products	An original certificate of analysis from the Government Analyst Division, Reduit, certifying the chemical composition and microbiological safety of the product should also be produced to this office.

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The list of requirements is not exhaustive but dynamic.

The Ministry of Health and Quality of Life reserves the right to amend the list at any time without prior notice.