

GOEIC

GOEIC- CDFTL labs



Scope of Analysis

In

GOEIC Food Test Labs



I-Food Chemical Lab

| No | Test |
|-----|--|
| 1 | Acid degree value |
| 2 | Acidity |
| 3 | Alkalinity |
| 4 | Ammonia |
| 5* | Ash |
| 6 | Ash, gravimetric and acid insoluble |
| 7 | Casein; precipitated protein at ph 4.6 (includes protein result) |
| 8 | Cation Exchange Capacity |
| 9 | Chloride |
| 10 | Conductivity |
| 11 | Dietary fiber, total/insoluble/soluble |
| 12 | Exchangeable Cations |
| 13 | Exchangeable Sodium |
| 14 | Fat |
| 15* | Fatty acid profile in fats and oils (includes trans) |
| 16 | Fatty acid profile in foods (includes trans) |
| 17 | Free fatty acid / acid value |
| 18* | Histamine in seafood products |
| 19* | Moisture |
| 20* | Moisture, karl fischer |
| 21 | Nitrate |
| 22 | Nitrite |
| 23 | Nitrogen |



| No | Test |
|-----|--|
| 24* | Nitrogen, kjeldahl or Elemental Analyzer |
| 25* | Organoliptic test (الاختبارات الحسية) |
| 27 | pH |
| 28 | Phosphate - total |
| 29* | Protein, kjeldahl or elemental analayzer |
| 30* | phosphorous |
| 31 | Salt |
| 32 | Solid fat index (sfi) |
| 33 | Solubility index |
| 34 | Specific gravity |
| 35 | Sugar profile (fructose, lactose, glucose, maltose, sucrose) |
| 36 | Sugar purity |
| 37 | Sulfate |
| 38 | TBA (thiobarbaturic acid) |
| 39* | Total Dissolved Solids |
| 40 | Total Nitrogen , Kjeldahl or Elemental Analyzer |
| 41 | Total Solids |
| 42 | Whey protein nitrogen (kjeldahl) |
| 43 | Whey protein nitrogen, dry milk |



2- Trace Element Lab:

| No | Test |
|-----|------------|
| 1 | Aluminum |
| 2 | Antimony |
| 3 | Arsenic |
| 4 | Barium |
| 5 | Beryllium |
| 6 | Boron |
| 7* | Cadmium |
| 8 | Calcium |
| 9 | Chromium |
| 10 | Cobalt |
| 11* | Copper |
| 12* | Iron |
| 13* | Lead |
| 14 | Magnesium |
| 15 | Manganese |
| 16 | Mercury |
| 17 | Molybdenum |
| 18 | Nickel |
| 19 | Potassium |
| 20 | Selenium |
| 21 | Silver |
| 22 | Sodium |
| 23 | Thallium |
| 24 | Tin |
| 25 | Vanadium |
| 26* | Zinc |



3- Pesticide Residue Lab:

| No | Test |
|----|-----------------|
| 1 | HCB |
| 2 | a-HCH |
| 3 | b-HCH |
| 4 | g-HCH |
| 5 | Heptachlor |
| 6 | Dieldrin |
| 7 | Endrin |
| 8 | Aldrin |
| 9 | cis-Chlordane |
| 10 | trans-Chlordane |
| 11 | DDT p,p |
| 12 | DDE p,p |
| 13 | PCBs 28 |
| 14 | PCBs 52 |
| 15 | PCBs 101 |
| 16 | PCBs 118 |
| 17 | PCBs 153 |
| 18 | PCBs 138 |



| | | |
|----|---|---------------------|
| 19 | Organo- phosphorous pesticides | PCBs 180 |
| 20 | | Malathion |
| 21 | | Profenofos |
| 22 | | Chlorpyrifos Methyl |
| 23 | | Chlorpyrifos |
| 24 | | Dimethoate |

4- Toxin Lab:

| No | Test |
|----|------|
| 1 | B1 |
| 2 | B2 |
| 3 | G1 |
| 4 | G2 |



5-Microbiology Lab.

1- Non pathogenic microorganism:

| No | Parameter |
|-----|----------------------------|
| 1* | Aerobic colony count |
| 2 * | Enterobacteriaceae |
| 3 | Coli forms |
| 4 * | Thermo tolerant coli forms |
| 5 * | <i>Escherichia coli</i> |
| 6 * | Yeast |
| 7 * | Mold |

2- Pathogenic microorganism:

| No | Parameter |
|----|--------------------------------|
| 8* | <i>Salmonella spp.</i> |
| 9* | <i>Staph. aureus</i> |
| 10 | <i>Clostridium perfringens</i> |
| 11 | <i>Listeria monocytogenes</i> |
| 12 | <i>Shigella spp.</i> |
| 13 | <i>Campylobacter spp.</i> |



6- Industrial Chemistry:

| No | Test (One sample Total) |
|----|--|
| 1 | Safety matches |
| 2 | Crystal glass table ware |
| 3 | Ceramic table ware |
| 4 | Melamine table ware |
| 5 | Thermal glass cooking ware |
| 6 | Thermo plastic table ware |
| 7 | Laboratory glass from borosilicates |
| 8 | Marble |
| 9 | Granite |
| 10 | Detergents |
| 11 | Liquid detergents for water closet |
| 12 | Adhesives |
| 13 | Glass liquid cleaner |
| 14 | Liquid detergents for ovens and cookers |
| 15 | Glues |
| 16 | Varnish used in gold size |
| 17 | Identifications of fibres in textiles |
| 18 | Adhesive of paper |
| 19 | Insulated containers ,vacuum ware, insulated flask |
| 20 | Glass table ware |
| 21 | Ball point pens, refills and marking pens |
| 22 | Detergent powder- liquid soap |
| 23 | Ceramic tiles |
| 24 | Cement |
| 25 | Particle board coated by melamine |
| 26 | Fibrous wood panels |

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| No | Test (One sample Total) |
|----|-----------------------------|
| 27 | Wheat Tests |
| 28 | Tobacco |
| 29 | Sugar |
| 30 | Edible Oil |
| 31 | Wheat Flour Tests |
| 32 | Urea Fertilize |
| 33 | Ammonium Nitrogen Fertilize |
| 34 | Mono phosphate Fertilize |
| 35 | Paper |

Note:-

* :- Accredited Parameter