



NEWS LETTER

Company Overview

Consolidated Laboratory (M) Sdn Bhd is a full service analytical laboratory, offering a wide range of testing services in the areas of the environment, microbiology, food chemistry, palm oil, pesticides, chemical solvent and pharmaceutical products. Our laboratory is run by a team of qualified chemists and well experienced supporting staff, so as to ensure that the client's needs are met with complete satisfaction. We have often carried out quality assurance programs so as to achieve an analytical precision and accuracy and at the same time to help us to meet the requirements by the Department of Standard Malaysia (DSM) over a wide range of tests. Since its incorporation in 1977, Consolidated Laboratory has grown to become one of the well established private laboratories.

In line with our expansion program, Consolidated Laboratory has teamed up with Cantest Ltd., our overseas joint venture partner based in Canada. Cantest Ltd. is a full service analytical laboratory offering a myriad of testing including environment, industrial, clinical and veterinary fields and employs ICP/OES, GC/MS, LC/MS/MS and ICP/MS. As such, Consolidated Laboratory is capable of providing laboratory services in geographical areas in Malaysia, Asia Pacific and throughout North America.



Services

- Analysis of Nutritional Labeling.
- Analysis of Antibiotics, Preservatives, Heavy Metals & Bacteriological in Meat and Seafood Product
- Analysis of Heavy Metals, Steroids in Herbal and Traditional Preparation and Health Care Products
- Halal Analysis for Certification of Food Products and Cosmetic & Toiletries products
- Pesticide & Herbicide Residue Analysis in Vegetables and Fruits
- Analysis of Minerals, Preservatives, Colouring and Artificial Sweetener in Food and Beverages.
- Benzopyrene determination in Fried and Barbecued Food.

Methodology

All testing are performed by Approved Methods of recognized sources includes:

- American Public Health Association (APHA)
- Association of Official Analytical Chemist (AOAC)
- American Society for Testing and Materials (ASTM)
- American Oil Chemists Society (AOCS)
- American Association of Cereal Chemists (AACC)

Accreditation

Consolidated Laboratory is accredited under ISO/IEC17025 by the Department of Standards Malaysia (DSM) for the analyses of all types of Food, Water, Palm Oil etc.

For more information, please enquire by contacting our personnel for assistance:

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BREAKING NEWS!!!

Permitted preservative in bread and flour confection – Propionic acid.

Under Malaysian Food Act 1983 (Act 281) & Regulations, bread should not contain propionic acid and its sodium, potassium or calcium salts exceeding 2000 mg/kg.

We in consolab could assist you in fulfilling the above regulatory requirement.



MICRONUTRIENTS

For centuries it had been known that certain diseases were related to diet: scurvy could be prevented by eating fruit, night blindness could be treated with liver and pellagra was associated with spoiled corn.



But scientists didn't have a clue what was at the root of this association. Only recently, the concept of essential micronutrients - in the form of vitamins and minerals - became widely accepted.

Learn more about the essential role of vitamins and minerals in the diet and find out if you should be taking supplements. Micronutrients are essential elements only needed by life in small quantities. Vitamins and trace minerals are sometimes included in the term.

Micronutrients by Food Groups

| No | Food Group | Micronutrients |
|----|-----------------------|--|
| 1 | Dairy | saturated fat calcium, potassium, phosphorus, magnesium, iodine and amino acid |
| 2 | Fatty Fish | omega-3 fatty acids (eicosapentaenoic acid [EPA] & docosahexaenoic acid [DHA]) iron |
| 3 | Fruits | soluble dietary fiber (such as pectin) folic acid beta-carotene |
| 4 | Whole-Grains / Cereal | insoluble fiber (such as cellulose) sodium, iron, magnesium, manganese, and iodine vitamin E, tocotrienols, selenium, phenolic acids, and phytic acid B vitamins, selenium, zinc, copper, and magnesium |
| 5 | Meat | saturated fat iron, vitamin B-12 and asid amino copper, phosphorus, selenium, and zinc |
| 6 | Nuts | low in saturated fatty acids and high in monounsaturated and polyunsaturated fatty acids copper, magnesium, potassium vitamin E |
| 7 | Vegetables: | soluble dietary fiber (such as pectin) insoluble fiber (such as cellulose) magnesium, potassium folic acid total beta-carotene |

Purpose of Analysis:

To comply with regulatory requirements.

Methodology:

Analytical methods employed at Consolidated Laboratory have been adopted from recognized official sources and validated internally.

Instrumentations:

Real Time PCR, LC-MS-MS, GC-MS, Humidity Chamber, HPLC , UV-VIS Spectrophotometrics, GC, AAS, ICP-OES, and etc.

With the above state-of-the-art modern technologies and more importantly the highly qualified and experience laboratory analysts and supporting staff, we in Consolab could offer you the above testing solutions. For enquiries kindly contact us.

Your One Stop Testing Solution