



OMIC

LABORATORY SERVICES

OVERSEAS MERCHANDISE INSPECTION CO.,LTD.
BANGKOK BRANCH



**ENSURE THAT YOUR PRODUCT QUALITY
MEETS SAFETY STANDARDS**

OMIC GROUP NETWORK

OMIC GROUP'S GLOBAL NETWORK PROVIDES WORLDWIDE COVERAGE AND PROMISES SWIFT AND ACCURATE SERVICES TO OUR CUSTOMERS



OMIC BANGKOK LABORATORY

The Bangkok laboratory has been established since 1954 as the first overseas branch of Overseas Merchandise Inspection Co., Ltd. (OMIC) headquartered in TOKYO, JAPAN.

As a leading Food Research Institute in Thailand and Foreign Official Laboratory recognized by the Ministry of Health Labor and Welfare of Japan, the Bangkok Laboratory has many customers such as importers, exporters, food manufacturing, food trading company etc. OMIC Laboratory focuses particularly on the analysis of Thailand's major agricultural products, such as rice, tapioca, sugar, molasses and processed foods as well as the food safety & quality analysis of agrochemical residues, heavy metals, microorganisms, GMOs and the food composition. It also focuses on the analysis of veterinary medication residues in foods, meat products and marine products.

With substantially advance equipment and well-trained staffs, OMIC Bangkok Laboratory keeps up to date with all the latest technologies to maintain the highest standards in all aspects of its activities.

Today, we provide a broad range of High-Quality services with more than 200 professional staffs for support our customers around the world.



SCOPE OF SERVICES

- Pesticides & Chemical residues
- Proximate, Vitamins and Supplement
- Veterinary Drugs
- Mycotoxins
- Heavy metals and Minerals
- Environmental
- Microbiological
- Food Allergens
- Meat Authenticity
- GMOs
- Others

PRODUCT OF ANALYSIS

- Agricultural Products
- Aquatic Products
- Animal Feeds and Pet Foods
- Dietary Supplement Products
- Fertilizers
- Food Additive Products
- Meat and Poultry Products
- Oil & Fat Products
- Processing Foods (Chilled, Canned and Frozen)
- Sanitizer Products
- Sugar & Molasses Products
- Tapioca Products
- Water & Waste Water
- Others



THE BRAND
OF IN TRUST
QUALITY SUPPORT



SCOPE OF ANALYSIS

PESTICIDE & CHEMICAL RESIDUES

Pesticide screening 5 groups

- Carbamate
- Organophosphorus
- Organochlorine
- Pyrethroid
- Dithiocarbamate

Pesticide & Chemical Residues (Screening by GC-MS/MS)

Pesticide & Chemical Residues (Screening by UPLC-MS/MS)

Single Residues;

- Glyphosate & Glufosinate Residues
- Diquat, Paraquat, Chlormequat and Mepiquat
- Ethephon
- Fosetyl-aluminium

Pesticide & Chemical Residues for Positive List System for Agricultural Chemical Residues in Foods According to Ministry of Health, Labour and Welfare (MHLW), Japan

FUMIGANT RESIDUES / RODENTICIDES

Aluminium Phosphide

Bromide (Methyl bromide)

Hydrogen Phosphide

Magnesium Phosphide

Sulfuryl Fluoride

MYCOTOXINS

Aflatoxin (B1, B2, G1, G2)	HT-2 Toxin
Aflatoxin M1	Ochratoxin A, B
Citrinin	Patulin
Deoxynivalenol	T-2 Toxin
Fumonisin B1, B2, B3	Zearalenone

FOOD CONTAMINANTS

Acrylamide

Melamine

1,3-Dichloropropanol (1,3-DCP)

3-Monochloropropane-1,2-Diol (3-MCPD)

ADDITIVES

Benzoic Acid	Monosodium Glutamate (MSG)
Benzoyl Peroxide	Polyphosphate
BHA	Polysorbate 80
BHT	Potassium Ferrocyanide
Borax	Potassium Sorbate
EDTA	Sorbic Acid
Ethoxyquin	TBHQ
Formaldehyde	

Organic Acids;
Acetic acid, Citric acid, Cyclamic acid, Lactic acid, Fumaric acid, Malic acid and Tartaric acid

ILLEGAL FOOD DYES

Sudan I	Sudan Orange G
Sudan II	Sudan Red 7B
Sudan III	Para Red
Sudan IV	Rhodamine



METALS & ELEMENTS ANALYSIS

Aluminium (Al)	Lithium (Li)
Antimony (Sb)	Magnesium (Mg)
Arsenic (As)	Manganese (Mn)
Barium (Ba)	Mercury (Hg)
Beryllium (Be)	Nickel (Ni)
Cadmium (Cd)	Phosphorus (P)
Calcium (Ca)	Potassium (K)
Chromium (Cr)	Selenium (Se)
Cobalt (Co)	Silver (Ag)
Copper (Cu)	Sodium (Na)
Inorganic Arsenic (iAs)	Tin (Sn)
Iron (Fe)	Vanadium (V)
Lead (Pb)	Zinc (Zn)

CHEMICAL & METALLIC CONTAMINANTS IN FOOD PACKAGING

1-Hexene	Evaporation Residues
1-Octene	Fluorescent Material
Antimony	Formaldehyde
Arsenic	Germanium (GE)
Benzophenone	Heavy Metal as Pb
Cadmium (Cd)	KMnO ₄ consumption
Chromium (Cr)	Lead (Pd)
Coloring Material	Toluene

PACKAGING RESIDUES IN FOOD

<p>Polychlorinated Biphenyls (PCBs) Aroclor 1221, 1232, 1242, 1248, 1254 and 1260</p> <p>Phthalate DHP, DBP, DBS, OA, DEHA, EA, DEHS, DUP, DINP, DIDP and Copper Terephthalate</p>	<p>PAHs</p> <ul style="list-style-type: none"> ● Benz (a) anthracene ● Benz (b) fluranthene ● Benzo (a) pyrene ● Chrysene
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WATER & WASTEWATER

1,4-Dioxane	MBAS, calculated as LAS or ABS
2-Methylisoborneol	Monochloroacetic acid (MCAA)
Alkalinity	Nitrate Nitrogen
Biochemical Oxygen Demand (BOD)	Nitrite Nitrogen
Bromodichloromethane	Non-carbonate Hardness as CaCO ₃
Bromoform	Pesticide & Chemical Residues
Chemical Oxygen Demand (COD)	Odor
Chloride	pH
Cis-1,2-Dichloroethylene	Phenol
Colour	Sulfate
Cr Hexavalent	Total Dissolved Solids (TDS)
Dichloroacetic acid (DCAA)	Total Hardness
Fluoride	Total Solid (TS)
Geosmin	Total Suspended Solids (TSS)
Grease & Oil	Tran-1,2-Dichloroethylene
Heavy Metals & Minerals	Trichloroacetic acid (TCAA)
KMnO ₄ Consumption	Turbidity

** please contact us for more information of the analysis items. **



FOOD COMPOSITION & VITAMINS

Ash	Iron (Fe)
Caffeine	Moisture
Calcium	Protein
Calories/Energy	Saturated Fat
Calories/Energy from Fat	Total Dietary Fiber
Cholesterol	Total Fat
Fatty Acid Composition	Total Sugars (Glucose, Fructose, Sucrose, Maltose, Lactose)
Vitamins (Fat soluble) A, D, E, K, K1, K2, K3	Trans Fatty Acid
Vitamins (Water soluble) B1, B2, B12, B3, B5, B6, B7, C, Folic acid	



ANIMAL FEED & PET FOODS

Ash	TVBN (Total Volatile Basic Nitrogen)
Calories/Energy	Urease activity
Carbohydrate	Veterinary Drugs
Crude Fat / Total Fat	Vitamins
Crude Fiber	Antioxidants
Crude Protein	<ul style="list-style-type: none"> ● BHA (Butylated hydroxyanisole) ● BHT (Butylated hydroxytoluene) ● Ethoxyquin ● TBHQ (Tertiary butylhydroquinone)
Fluoride	
Heavy Metals & Minerals	
Histamine	
Moisture	Melamine and analogue compounds
Mycotoxins	<ul style="list-style-type: none"> ● Ammelide ● Ammeline ● Cyanuric acid ● Melamine
Pepsin Digestibility	
Pesticide & Chemical residues	
Sand / Silica	

VETERINARY DRUGS

Antibiotic Screen
Beta Agonists
Beta-Lactams Group
Chloramphenicol
Coccidiostat Group
Fluoroquinolone Group
Malachite Green and Leucomalachite Green
Nitrofurans and Metabolites
Sulfonamide Group
Tetracycline Group





TESTING FOR ENSURING QUALITY OF FLOUR & PRODUCTS	
Ash	Phosphorus
Crude Fat	Pulp or Residues
Crude Fiber	Sand / Silica
Crude Protein	Solubility
Foreign Matter	Starch content
Gelatinization Temperature	Sulphur Dioxide (SO ₂)
Heavy Metals and Minerals	Transparency
Hydrogen Cyanide (HCN)	Total Fat
Moisture / Loss on drying	Viscosity Brabender
pH	Whiteness

TESTING FOR ENSURING QUALITY OF MODIFIED STRACH	
Adipate group	Octenyl Succinic Group
Acetyl group	Propylene Chlorohydrin
Carboxyl group	Residues Octenyl Succinic Acid
Hydroxypropyl group	Vinyl Acetate

OIL AND FATS	
Acetone - Insoluble Matter	Melting point
Acid Value	Moisture & Volatile Matter
Cloud Point	Oil & Fat
Cold test	Peroxide Value
Colour (Lovibond Tintometer)	Saponification Value
Fatty acid composition	Slip Melting Point
Free Fatty Acids (FFA)	Soap Content
Heavy Metals and Minerals	Specific Gravity (S.G.)
Hexane	Total Fatty acid
Insoluble Impurities	Total Fatty Matter
Iodine Value	Unsaponifiable Matter
Melamine and analogue compounds	
● Ammelide	
● Ammeline	
● Cyanuric acid	
● Melamine	

QUALITY TESTING OF SUGAR & MOLASSES	
WHITE SUGAR / RAW SUGAR / MOLASSES / HONEY/ SYRUP	
Ash	pH
Brix (Hydrometer)	Polarisation
Brix (Refractometer)	Reducing sugar
Colour	Specific gravity
Conductivity Ash	Starch
Dextran	Sulfur dioxide
Dextrose Equivalent	Sulphate ash
Grain Size	Total reducing sugar as invert
Heavy Metals and Minerals	Total sugars (Glucose, Fructose, Sucrose, Maltose, Lactose)
Insoluble Matter (Sediment)	Turbidity
Moisture	

QUALITY TESTING OF SUGAR & MOLASSES BY ICUMSA METHOD



** please contact us for more information of the analysis items. **



MICROBIOLOGICAL TESTING

FOOD SAMPLE

ITEMS	REFERENCE METHOD
<i>Bacillus cereus</i>	APHA
<i>Clostridium botulinum</i>	APHA
<i>Clostridium perfringens</i>	APHA
Coliforms	APHA
Enterobacteriaceae	APHA
Enterococci	APHA
<i>Escherichia coli</i>	APHA / ISO
<i>Listeria monocytogenes</i>	ISO / AFNOR (VIDAS)
<i>Salmonella</i> spp.	ISO / BAM / AFNOR (VIDAS)
<i>Staphylococcus aureus</i>	APHA / ISO
<i>Vibrio cholerae</i>	APHA / ISO
<i>Vibrio parahaemolyticus</i>	APHA / ISO
Yeast & Mold	AOAC
Total plate count	APHA / ISO

WATER SAMPLE

ITEMS	REFERENCE METHOD
<i>Clostridium perfringens</i>	APHA
Coliforms	AWWA
<i>Escherichia coli</i>	AWWA
Fecal Coliforms	AWWA
Fecal Streptococcus	AWWA
<i>Salmonella</i> spp.	ISO
<i>Staphylococcus aureus</i>	AWWA
<i>Vibrio cholerae</i>	AWWA
Total plate count	AWWA

JAPANESE METHOD

ITEMS	REFERENCE METHOD
Coliforms	MHLW
<i>Escherichia coli</i>	MHLW
<i>Staphylococcus aureus</i>	MHLW
<i>Vibrio cholerae</i>	MHLW
<i>Vibrio parahaemolyticus</i>	MHLW
<i>Salmonella</i> spp.	MHLW
Total plate count	MHLW

VIDAS AUTOMATED "FASTER RESULT"

ITEMS	REFERENCE METHOD
Campylobacter	AFNOR (VIDAS)
<i>Listeria monocytogenes</i>	AFNOR (VIDAS)
<i>Salmonella</i> spp.	AFNOR (VIDAS)

- APHA : American Public Health Association
 ISO : International Organization for Standardization
 AOAC : Association Of Official Analytical Collaboration (AOAC International)
 MHLW : Ministry of Health, Labour and Welfare (Japan)
 BAM : Bacteriological Analytical Manual
 VIDAS : Compact multiparametric immunoanalyzer

** please contact us for more information of the analysis items. **



MOLECULAR ANALYSIS

ANALYSIS

BY ELISA AND PCR TECHNIQUE

GMOs ANALYSIS

GMOs screening

- P35S Sequence
- T-nos Sequence

GMOs FOR RICE ANTI-INSECT (MHLW)

- 63 Bt
- NNBt
- CpTi

GMOs FOR PAPAYA (MHLW)

- PRSV-SC
- PRSV-YK
- PRSV-HN

MEAT AUTHENTICITY / ADULTERATION ANALYSIS

Bovine (Beef)	Porcine (Pork)
Chicken	Goat
Fish	Mammalian
Goat	Sheep

FOOD ALLERGEN ANALYSIS

ELISA TECHNIQUE

Buckwheat	Milk
Crustacean	Peanut
Egg	Soybean
Gluten	Wheat
Histamine	Others

SCOPE OF ANALYSIS

SANITIZER PRODUCTS

Available Chlorine	Methanol (Methyl alcohol)
Ethanol (Ethyl alcohol)	Isopropyl alcohol (Isopropanol)
Hydrogen peroxide	



SAMPLES SUBMISSION

การนำส่งตัวอย่าง

สอบถามราคา

สอบถามราคาค่าวิเคราะห์ได้จากฝ่ายขายและฝ่ายดูแลลูกค้า แผนกห้องปฏิบัติการวิเคราะห์
Ask for the quotation from sales representatives or customer services

STEP
01

ส่งตัวอย่าง

นำตัวอย่างพร้อมแบบฟอร์มนำส่งตัวอย่างและใบเสนอราคา ส่งที่ห้องรับตัวอย่าง ชั้น 3 แผนกห้องปฏิบัติการวิเคราะห์
Submit sample with application form and quotation at OMIC's office 3rd Floor.

STEP
03

ระยะเวลาของการทดสอบ

อยู่ที่ 7-10 วันทำการ (ไม่รวมวันหยุด, วันนักขัตฤกษ์)
Period of Analysis 7-10 working days (except holiday and public holiday)

STEP
05

สำหรับลูกค้าใหม่

กรุณาแนบเอกสารหนังสือรับรองบริษัท และภพ.20 เพื่อดำเนินการขอรับบริการทดสอบ
In case of new customers, please attach the company affidavit and Vat registration certificate

STEP
07

แบบฟอร์มนำส่งตัวอย่าง

กรอกข้อมูลในแบบฟอร์มนำส่งตัวอย่าง (application form) ให้ครบถ้วน พร้อมแนบเอกสารใบเสนอราคาลงนามทุกครั้ง
Fill the information in application form and attach quotation

STEP
02

บริการรับตัวอย่าง

ในเขตพื้นที่กรุงเทพฯ และปริมณฑล เมื่อลูกค้ามียอดค่าบริการตั้งแต่ 5,000 บาทขึ้นไป โดยลูกค้าต้องแจ้งล่วงหน้าอย่างน้อย 1 วันทำการ
Sample pick-up service in Bangkok and Vicinity when service charge of 5,000 baht or more. Please notify at least 1 working day in advance.

STEP
04

วันและเวลาเปิดทำการ

แผนกห้องปฏิบัติการวิเคราะห์ เปิดทำการทุกวันจันทร์-ศุกร์ เวลา 8.30-17.30 น. และวันเสาร์ เวลา 8.30-12.00 น.
Laboratory department open daily Monday-Friday from 8.30 a.m. to 5.30 p.m. and Saturday from 8.30 a.m. to 12.00 p.m

STEP
06

For more information, please contact us

Overseas Merchandise Inspection Co.,Ltd. (OMIC Bangkok Branch)

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QUALITY ASSURANCE OF TESTING AND ANALYSIS



- ISO/IEC 17025 Accredited Laboratory
- Registered Laboratory under the scheme of Foreign Official Laboratories by Japanese Food Sanitary Law
- Authorized as a Foreign Official Laboratory by MFDS (Ministry of Food and Drug Safety, Republic of Korea)
- Registered Thailand's Food Safety Testing Laboratory under Indonesian Agricultural Quarantine Agency (IAQA), Ministry of Agriculture, Republic of Indonesia
- Registered laboratory under Department of Agriculture (DOA), Department of Livestock Development (DLD) and Department of Fisheries (DOF), Ministry of Agriculture and Cooperatives, Thailand
- Designated as testing laboratory for Agricultural Commodity and Food by the National Bureau of Agricultural Commodity and Food Standards: ACFS

WHY CHOOSE US?

- "Customer comes first" service
- Expert and Experience team of researchers and scientists
- High throughput technologies and instruments
- Operate under international standard ISO/IEC 17025
- Analyze according to recognized standards method
- Reliable results, Short turnaround time and cost effectiveness
- Provide up-to-date information
- Compliance with professional ethics and law

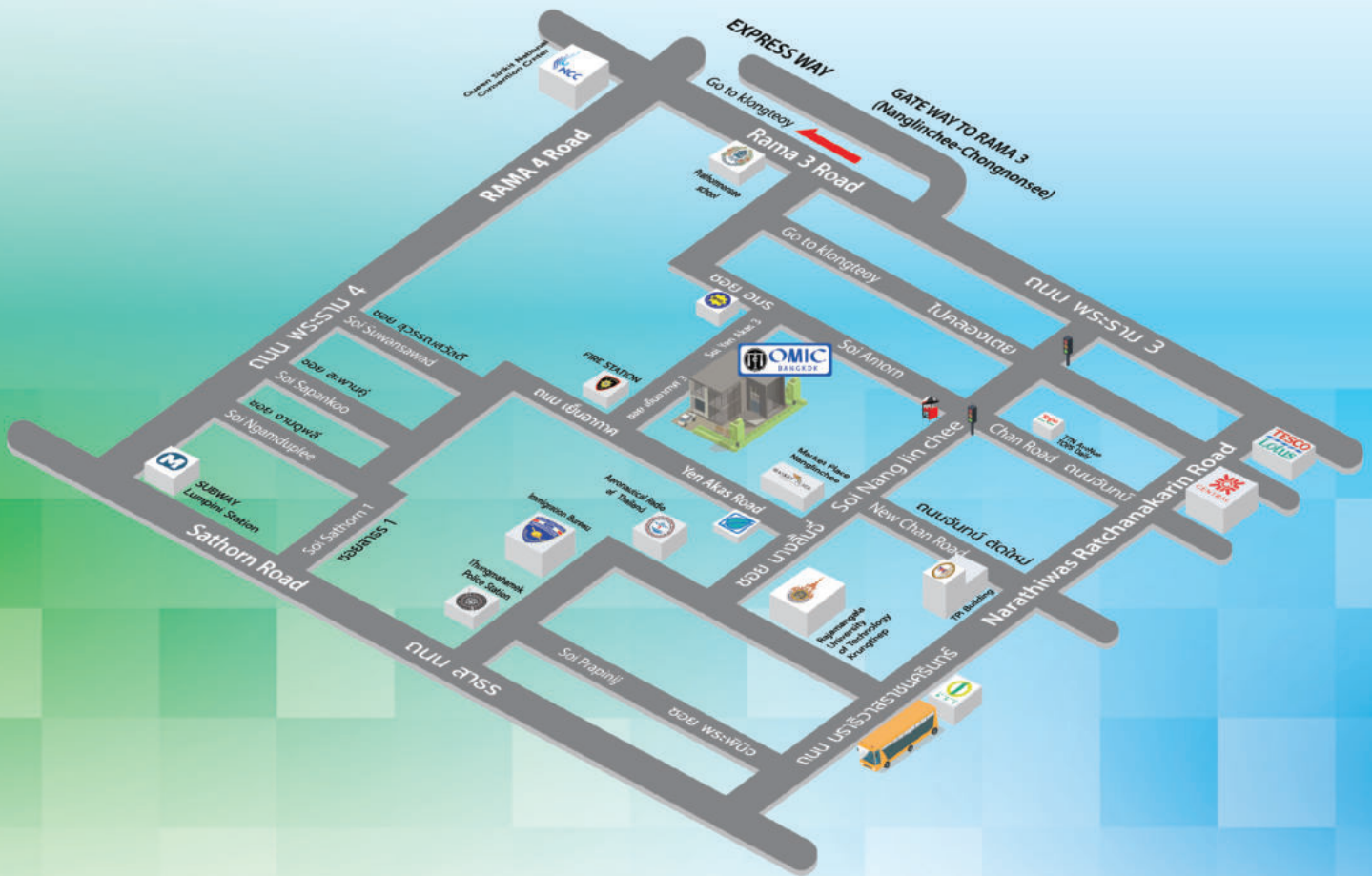


OMIC BANGKOK

ISO 9001 : 2015

ISO / IEC 17020

ISO / IEC 17025



CONTACT US

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