

### The AFRL Areas of Responsibility and Fields of Expertise

The contact persons and address details of the designated ASEAN Food Reference laboratories.

No.	AFRL	Residing Organization	Contact Person(s)	Tel/Fax	Field of Expertise
1	AFRL for Mycotoxins	Research & Risk Assessment Department, National Centre for Food Science The Singapore Food Agency (SFA)	Ms. Angela Li E-mail: Angela_LI@sfa.gov.sg  Ms Yat Yun Wei E-mail : YAT_Yun_Wei@sfa.gov.sg	Tel +6562130722  Fax +6562130839	a. Aflatoxin B1, B2, G1, G2 in peanut, corn, oil, coffee, copra, rice and animal feeds; b. Aflatoxin M1 & M2 in dairy products; c. Ochratoxin A in coffee and wheat products; d. Fumonisin B1 & B2, Deoxynivalenone, Zearalenone in corn and corn products; e. Patulin in Apple juice.
2	AFRL for Pesticide Residues	Food Safety Monitoring & Forensics Department, National Centre for Food Science The Singapore Food Agency (SFA)	Dr. Wu Yuan Sheng E-mail: WU_Yuan_Sheng@sfa.gov.sg Mr. Lim Poh Leong E-mail: LIM_Poh_Leong@sfa.gov.sg	Tel: +6567952818  Tel: +6567852837  Fax+6568619491	Pesticide residues in Food, eg: a. Organophosphorus pesticides; b. N-methylcarbamate Pesticides c. Pyrethroids; d. Organochlorine; e. Dithiocarbamates
3	AFRL for Genetically Modified Organisms	Department of Chemistry, Malaysia (DOC)	<u>Ms. Elliza Mat Nor</u> E-mail: elliza@kimia.gov.my	Tel: +60379853037 Fax: 03-79853028	Raw and processed foods from plant materials using DNA technique; a. Endogenous gene: soy, maize, potato, tomato,

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			Dr. Yuvaneswari E-mail: yuvaneswari@kimia.gov.my		rapeseed, papaya, wheat and rice; b. GMO screening: 35S promoter, NOS terminator, pat, bar, cry1A(b), ctp2-cp4 EPSPS, nptII c. Soya events: RRS, MON89788, DP305423, DP356043, A5547-127, A2704-12 d. Maize events: MON810, MON863, Bt11, Bt176, CBH-351 (StarLink), T25, GA21, NK603, DAS59122-7, MON89034, MON88017, TC1507, MIR604 e. Rice events: Bt63, LLRICE62, LLRICE601 f. Rapeseed events: GT73/RT73 g. Potato events: EH92-527-1
4	AFRL for Veterinary Drug Residues	Veterinary Public Health Laboratory (VPHL), Bureau of Quality Control of Livestock Products (BQCLP),	Dr. Chantanee Buranathai E-mail : Chantanee.dld@hotmail.com  Dr. Naraya Tangsirisap E-mail : vphl.dr@gmail.com; ntangsirisap@gmail.com	Tel 66-2-9679700 ext 1101  Fax +662 967 9747  Tel 66-2-9679700 ext 2133	Veterinary Drug Residues in foodstuffs of animal origin a. Prohibited substance e.g. Nitrofurans Chloramphenicol Dimetridazole Metronidazole Ronidazole b. B-Agonists c. Antibiotics

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		Department of Livestock Development (DLD), Ministry of Agriculture and Cooperatives (MoAC), Thailand			e.g. Aminoglycosides Macrolides  Quinolones/Fluoroquinolones Sulfonamides Tetracyclines d. Anticoccidial Substances e. Steroid/NSAIDs f. Anthelmintics
5	AFRL for Heavy Metals and Trace Elements	Bureau of Quality and Safety of Food (BQSF), Department of Medical Sciences, Ministry of Public Health, Thailand	Pusaya Sangvirun E-mail <a href="mailto:pusaya.s@dmsc.mail.go.th">pusaya.s@dmsc.mail.go.th</a>  Sirichai Sunya E-mail <a href="mailto:sirichai.s@dmsc.mail.go.th">sirichai.s@dmsc.mail.go.th</a>	Tel+6629510000 Ext: 99518 Fax +6629511021  Tel+6629510000 Ext: 99578 Fax +6629511021	Heavy metals and trace elements in foods a. Heavy Metals: Mercury, Lead, Cadmium, Arsenic, etc. b. Trace Elements: Nickel, Selenium, Chromium, etc.
6	AFRL for Microbiology	Quatest 3 (Quality Assurance & Testing Centre 3), MOST, Vietnam	Luong Thanh Uyen, E-mail: <a href="mailto:lt-uyen@quatest3.com.vn">lt-uyen@quatest3.com.vn</a>  Tran Thi Anh Nguyet E-mail: <a href="mailto:tt-anhnguyet@quatest3.com.vn">tt-anhnguyet@quatest3.com.vn</a> <a href="mailto:tn-visinh@quatest3.com.vn">tn-visinh@quatest3.com.vn</a>	Tel +84-251 383 6212  Fax +84-251 383 6298	a. Pathogenic micro-organisms relevant to food and food products: <i>salmonella</i> , <i>E. coli</i> O157:H7, <i>shigella</i> , <i>Listeria monocytogenes</i> , <i>Campylobacter</i> , <i>Yersinia enterocolytica</i> , <i>Clostridium perfringens</i> , <i>Clostridium botulinum</i> , <i>Bacillus cereus</i> , <i>Staphylococcus aureus</i> , <i>Vibrio parahaemolyticus</i> , <i>Vibrio</i>

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					<p><i>cholerae, Pseudomonas aeruginosa;</i></p> <p>b. Yeasts and molds;</p> <p>c. Indicator bacteria;</p>
7	AFRL for Food Additives	National Quality Control Laboratory of Drug and Food, National Agency of Drug and Food Control, Republic of Indonesia	<p>Ms. Hermini Tetrasari Email: <a href="mailto:fooddivision.ppomn@gmail.com">fooddivision.ppomn@gmail.com</a> <a href="mailto:hermini.moeljoso@gmail.com">hermini.moeljoso@gmail.com</a></p> <p>Ms. Cita Tri Aryuni Email: <a href="mailto:citatri@yahoo.com">citatri@yahoo.com</a> <a href="mailto:citatri.19@gmail.com">citatri.19@gmail.com</a></p>	<p>Tel +62 21 4245075</p> <p>Fax +62 21 4245150/4201427</p>	<p>a. Sweeteners: Saccharin, Acesulfame K, Aspartame, Cyclamic acid, neotam, etc.</p> <p>b. Preservatives: benzoic acid, sorbic acid, methyl paraben, ethyl paraben, propyl paraben, butyl paraben, propionic acid, nitrite, etc.</p> <p>c. Antioxidants: BHA, BHT, Propyl gallate, TBHQ</p> <p>d. Colors: Tartrazine (CI 19140), Sunset yellow FCF (CI. 15985), Azorubine Carmoisine (CI.14720), Ponceau 4R /chochinealred A (CI.16255), Allura red (CI.16035), Brilliant Blue (CI.420090), etc.</p>
8	AFRL for Food Contact Materials	Department of Science Service (DSS) Ministry of Higher Education,	<p>Ms. Nongnuch Mayteeyonpiriya E-mail: <a href="mailto:nmaytee@dss.go.th">nmaytee@dss.go.th</a></p> <p>Ms. Supattra Charoenkasemwit E-mail: <a href="mailto:supattra@dss.go.th">supattra@dss.go.th</a></p> <p>Mr. Chinawat Tongchat E-mail: <a href="mailto:chinawat@dss.go.th">chinawat@dss.go.th</a></p>	<p>Tel: +66 2201 7180</p> <p>Fax: +66 2201 7181</p> <p>Tel: +662201 7308</p>	<p>Scopes of AFRL for FCM:</p> <ol style="list-style-type: none"> <li>1. Plastic</li> <li>2. Glass</li> <li>3. Ceramic</li> <li>4. Metal and Metal Alloy</li> <li>5. Coating and Varnish</li> </ol>

No.	AFRL	Residing Organization	Contact Person(s)	Tel/Fax	Field of Expertise
		Science, Research and Innovation, Thailand		Tel: +662201 7308	6. Silicone
9	AFRL for Environmental Contaminants	Food Safety Monitoring & Forensics Department National Centre for Food Science The Singapore Food Agency (SFA)	Mdm Koh Shoo Peng E-mail: KOH_Shoo_Peng@sfa.gov.sg  Ms Peggy Chew E-mail: Peggy_CHEW@sfa.gov.sg	Tel: +6567952818  Tel: +6567952813  Tel: +6567952814  Fax+6568619491	a. Polychlorinated dibenzodioxins (PCDDs), Polychlorinated dibenzofurans (PCDFs) b. Polychlorinated biphenyls (PCBs) c. Polycyclic aromatic hydrocarbons d. Radionuclides (I-131, Cs-134 and Cs-137)
10	AFRL for Marine Biotoxins and Scrombotoxin	Foodborne and Natural Toxin Laboratory, National Centre for Food Science, Singapore Food Agency (SFA)			