



**PROFICIENCY TESTING  
DIRECTORY**

## **PURPOSE**

This document lists proficiency testing schemes and intercomparisons available to laboratories in the Asia Pacific region. The listing of a scheme in this directory does not imply its endorsement by APLAC.

## **AUTHORSHIP**

This publication has been written by the APLAC Proficiency Testing Committee.

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## **FURTHER INFORMATION**

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Email: [aplac@nata.com.au](mailto:aplac@nata.com.au)  
Website: [www.aplac.org](http://www.aplac.org)

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## DIRECTORY – NATA, AUSTRALIA

### PROGRAM

### CONTACT

#### Chemical Testing

Nutrients in environmental waters - freshwater and seawater

## NATA Accredited to ILAC Guide 13  
(Website: [www.nata.asn.au](http://www.nata.asn.au))

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Email: [gary\\_prove@health.qld.gov.au](mailto:gary_prove@health.qld.gov.au)

Trace elements in soils, dusts, sediments, sludges, potable and non-potable water  
Trace elements in blood, serum and urine  
Fluoride in Stack Emissions

Mr Graeme Waller  
Quality Control Technologies  
PO Box 369  
Charlestown NSW 2290, Australia  
Tel: +61 2 4947 8730  
Fax: +61 2 4947 8730  
Email: [gwaller@hunterlink.net.au](mailto:gwaller@hunterlink.net.au)

Pesticides in fruit/vegetables and soil  
Environmental contaminants in soils and water  
Controlled drugs

## The above programs are NATA Accredited to ILAC Guide 13  
(Website: [www.nata.asn.au](http://www.nata.asn.au))

Also available:

Metals in Soil and Water

Metals in Food

Folic acid in Flour

Mr Paul Armishaw  
National Measurement Institute  
1 Suakin Street  
Pymble NSW 2073, Australia  
Tel: + 61 2 9449 0149  
Fax: + 61 2 9983 1398  
Email: [paul.armishaw@measurement.gov.au](mailto:paul.armishaw@measurement.gov.au)  
Website: [www.measurement.gov.au](http://www.measurement.gov.au)

Chemical residues and environmental contaminants in meat and meat products, grain and grain products, horticultural matrices, liquid milk, eggs, fish, aquatic animals, honey, nuts, wool fibres, animal tissue and animal body fluids

## NATA Accredited to ILAC Guide 13  
(Website: [www.nata.asn.au](http://www.nata.asn.au))

Dr W Korth  
Manager, Residue Chemistry and Laboratory Performance Evaluation  
National Residue Survey  
Australian Government Dept of Agriculture Fisheries & Forestry  
PO Box 858  
Barton ACT 2601, Australia  
Tel: +61 2 6272 4771  
Fax: +61 2 6272 4023  
Email: [Wolfgang.Korth@affa.gov.au](mailto:Wolfgang.Korth@affa.gov.au)

Interwinery Analysis Group:  
Wide range of analytes in wine

(The Interwinery Analysis Group is a volunteer organisation and supplies PT to over 200 members.

Advice and support is given to members during the vintage season and throughout the year, to ensure accurate results are met.)

Fire assay gold, aqua regia gold, gold in loaded and barren carbon, low level (ppb) gold, Cu, Pb, Zn, Ni, As, Ag, Co, ore grade base metals and S in pulps

Gases  
Natural Gas  
Industrial and Environmental gases

### **Chemical/Construction Materials Testing**

Cement

### **Electrical Testing**

Approval tests on electrical appliances and accessories

## NATA Accredited to ILAC Guide 13  
(Website: [www.nata.asn.au](http://www.nata.asn.au))

Interwinery Analysis Group  
PO Box 402  
Tanunda SA 5352, Australia  
Website: [www.interwinery.com](http://www.interwinery.com)  
Email: [secretary@interwinery.com](mailto:secretary@interwinery.com)

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Fax: +61 8 9314 3699  
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## Forensic Science

Blood alcohol  
Drugs and drivers  
Toxicology

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[Roslyn.wilson@swahs.health.nsw.gov.au](mailto:Roslyn.wilson@swahs.health.nsw.gov.au)

Controlled drugs

Mr Paul Armishaw  
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## Mechanical Testing

Condom Testing  
Medical Gloves

Ms G Iskander  
ENERSOL Consulting Engineers  
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Tel: +61 2 9552 1707  
Fax: +61 2 9552 1709  
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[lhenretty@enersol.com.au](mailto:lhenretty@enersol.com.au) (Lisa Henretty)  
Website: [www.enersol.com.au](http://www.enersol.com.au)

## Medical Testing

RCPA Quality Assurance Programs P/L  
Anatomical Pathology

## NATA Accredited to ILAC Guide 13  
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Chemical Pathology

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Cytopathology

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Haematology

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Immunology

## NATA Accredited to ILAC Guide 13  
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Microbiology

## NATA Accredited to ILAC Guide 13  
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Serology

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Synovial Fluid

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Transfusion Serology

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Fax: +61 2 9229 4521  
Email: [jhersee@arcbs.redcross.org.au](mailto:jhersee@arcbs.redcross.org.au)  
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Austox —  
Urine Toxicology Proficiency Program  
Drugs of Abuse — Qualitative/Quantitative to  
AS4308

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HGSA/Australasian Society of Cytogeneticists  
QAP in Clinical Cytogenetics

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Reproductive Medicine  
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Medicine

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Email: [egasrm@inet.net.au](mailto:egasrm@inet.net.au)  
[Website: www.egasrm.com.au](http://www.egasrm.com.au)

FertAid Pty Ltd

Dr J Stanger  
Fertaid Pty Ltd  
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Website: [www.fertaid.com](http://www.fertaid.com)

Bio-Rad External Quality Assurance Services  
(Bio-Rad EQAS) — Formerly Murex Quality  
Assessment Programme from Abbott  
Laboratories —  
Clinical Chemistry Program  
Immunoassay Programs  
Immunoassay (Monthly) Program  
Therapeutic Drug Monitoring Program  
Hemoglobin Program

Mrs Elizabeth Plati  
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Regents Park Industrial Estate  
391 Park Road  
Regents Park NSW 2143, Australia  
Tel: +61 2 9914 2800;  
Toll Free: 1800 224 354  
Fax: +61 2 9914 2888  
Websites: [www.bio-  
rad.com](http://www.bio-rad.com)/[www.qcnet.com](http://www.qcnet.com)

National Serology Reference Laboratory  
Australia  
EQAS for serology of HIV, HCV, HBV, HTLV,  
CMV and Syphilis  
EQAS for nucleic acid testing of HIV, HCV,  
Chlamydia trachomatis and Neisseria  
gonorrhoeae  
EQAS for genotyping of HIV and HCV

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[sue@nrl.gov.au](mailto:sue@nrl.gov.au), [thuanh@nrl.gov.au](mailto:thuanh@nrl.gov.au),  
[Roderick@nrl.gov.au](mailto:Roderick@nrl.gov.au)

## The above programs are NATA Accredited to  
ILAC Guide 13

(Website: [www.nata.asn.au](http://www.nata.asn.au))

Also provided:

Proficiency testing for leptospirosis microscopic  
agglutination test

Quality Control Technologies —  
Trace Elements in Blood, Serum and Urine

Mr G Waller  
Quality Control Technologies  
PO Box 369  
Charlestown NSW 2290, Australia  
Tel: +61 2 4947 8730  
Fax: +61 2 4947 8730  
Email: [gwaller@hunterlink.net.au](mailto:gwaller@hunterlink.net.au)

## Microbiological Testing

Food matrices  
Cosmetic/pharmaceutical matrices  
Environmental  
General  
Industrial  
Legionella

## NATA Accredited to ILAC Guide 13  
(Website: [www.nata.asn.au](http://www.nata.asn.au))

Ms Ingrid Flemming  
IFM Quality Services Pty Ltd  
PO Box 877  
Ingleburn NSW 2565 , , Australia  
Tel: +61 2 9618 3311  
Fax: +61 2 9618 3355  
Email: [ingridflemming@ifmqs.com.au](mailto:ingridflemming@ifmqs.com.au)

## Veterinary Testing

Veterinary Microbiology  
(12 case studies with culture, pathogen  
identification and antibiotic sensitivity testing)

## NATA Accredited to ILAC Guide 13  
(Website: [www.nata.asn.au](http://www.nata.asn.au))

Ms Ingrid Flemming  
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Fax: +61 2 9618 3355  
Email: [ingridflemming@ifmqs.com.au](mailto:ingridflemming@ifmqs.com.au)  
Website: [www.ifmqs.com.au](http://www.ifmqs.com.au)

Wide range of veterinary serology, virology and  
microbiology tests involved in disease control  
programs, biosecurity and health certification for  
livestock

Ms Sonia Rizzi  
Australian National Quality Assurance  
Program (ANQAP)  
Primary Industries Research, Victoria  
475 Mickleham Road  
Attwood VIC 3049, Australia  
Tel: +61 3 9217 4200  
Fax: +61 3 9217 4371  
Email: [sonia.rizzi@dpi.vic.gov.au](mailto:sonia.rizzi@dpi.vic.gov.au)  
Website: [www.anqap.com](http://www.anqap.com)

Department of Agriculture and Food  
Parasitology — Worm Egg Counts  
Thirteen samples spiked with a known number  
of eggs.  
Distributed once a year.

Jill Lyon  
Animal Health Laboratories  
444 Albany Highway  
ALBANY WA 6330, Australia  
Tel: +61 8 9892 8559  
Fax: +61 8 9892 8564  
Email: [jllyon@agric.wa.gov.au](mailto:jllyon@agric.wa.gov.au)

## NEW ZEALAND

### PROGRAM

### CONTACT

#### Chemical Testing

Nutrient Assessment of Soils

Ms Joanne Bedford, Manager  
Soils Inter-laboratory Proficiency Program  
Australasian Soil and Plant Analysis  
Council  
C/- Proficiency Services Ltd (PSL)  
Trading as LabChek  
Box 20474, Hamilton, New Zealand, 3241  
Tel: +64 7 850 4483  
Fax: +64 7 850 4487  
Email: [manager@labchek.info](mailto:manager@labchek.info) or  
[enquiry@labchek.info](mailto:enquiry@labchek.info)  
Website: [www.labchek.info](http://www.labchek.info)

Nutrient Assessment of Plants

Ms Joanne Bedford, Manager  
Plants Inter-laboratory Proficiency  
Program  
Australasian Soil and Plant Analysis  
Council  
C/- Proficiency Services Ltd (PSL)  
Trading as LabChek  
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Fax: +64 7 850 4487  
Email: [manager@labchek.info](mailto:manager@labchek.info) or  
[enquiry@labchek.info](mailto:enquiry@labchek.info)  
Website: [www.labchek.info](http://www.labchek.info)

#### Microbiological Proficiency Testing

DairyChek Programme  
MilkChek Programme

Chemical and Functional Proficiency Testing:  
DairyChek Programme  
MilkChek Programme  
WaterTest Programme  
FertChek Programme (Not Accredited)  
Lipid Chek Programme (Not Accredited)

Ms Joanne Bedford, Manager  
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Trading as LabChek  
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Fax: +64 7 850 4487  
Email: [manager@labchek.info](mailto:manager@labchek.info) or  
[enquiry@labchek.info](mailto:enquiry@labchek.info)  
Website: [www.labchek.info](http://www.labchek.info)

## Chemical/Microbiological Testing

Wide range of chemical/microbiological tests for food including:

Milk Chemistry & Microbiology  
Ice Cream Chemistry & Microbiology  
Dairy Products Chemistry & Microbiology  
Vitamins, Minerals, Trace elements in Dairy Products  
Meat Chemistry & Microbiology  
Shellfish Microbiology  
Tallow Chemistry  
Food Microbiology  
Water Microbiology: Potable, Receiving, Effluent, Pool, Sea  
Pathogens including Salmonella & *Listeria monocytogenes*, *E. coli* 0157:H7

The above programs are accredited by IANZ

Wine Chemistry  
Water Chemistry: Potable, Effluent & Chemical Residue  
Timber Preservation  
Antimicrobials in Milk  
BactoScan  
*Campylobacter* & *Vibrio parahaemolyticus*

## Mechanical Testing

MUST System (8 different paper and paperboard tests in system, plus different levels of test)

[Ms](#) Sandra Mott, Acting Proficiency Manager  
AsureQuality Limited  
Assurance Services  
Proficiency Programmes  
49 Mahana Road  
Te Rapa, Hamilton, New Zealand  
Freephone: 0508 00 11 22  
Tel: +64 7 849 9990  
Fax: +64 7 849 4215  
Email: [MottS@asurequality.com](mailto:MottS@asurequality.com)  
Or [ilcp@asurequality.com](mailto:ilcp@asurequality.com)  
Website: [asurequality.com](http://asurequality.com)

and

Mr Merv Withers, Australia Manager  
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Fax: +61 3 8318 9001  
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Or [ilcp@asurequality.com](mailto:ilcp@asurequality.com)  
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Email: [Sue.williams@scionresearch.com](mailto:Sue.williams@scionresearch.com)  
Website: [scionresearch.com](http://scionresearch.com)

## TAF, CHINESE TAIPEI

### PROGRAM

#### Chemical Analysis of Metals Alloys

Carbon Steel  
Low-Alloy Steel  
High-Alloy Steel

### CONTACT

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E-mail: [870071@itri.org.tw](mailto:870071@itri.org.tw)

#### Fastener

Axial tensile testing of full-size threaded fasteners  
Wedge tensile (10 degrees) testing of full-size threaded fasteners  
Hardness testing of externally threaded fasteners (Rockwell C scale)

Mr Chien Tsung Lu  
Chinese National Laboratory  
Accreditation, (CNLA)  
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300, R.O.C.  
Ph: 886 3 5710233 ext. 251  
Fax: 886 3 5726308  
E-mail: [870071@itri.org.tw](mailto:870071@itri.org.tw)

#### Tension tests for metals

Rockwell hardness tests for metals

Mr Jason Hu  
Materials Research Laboratories,  
ITRI  
Bldg. 77, 195-5 Chung Hsing Rd.,  
Sec 4, Chutung, Hsinchu, Taiwan  
Ph: 886 3 5915249  
Fax: 886 3 5827127  
E-mail: [890317@itri.org.tw](mailto:890317@itri.org.tw)

#### Personnel Dosimeter Proficiency Testing

1. Accidents low-energy photons
2. accidents high-energy photons
3. low-energy photons
4. high-energy photons
5. beta particles
6. photon mixture (a combination of categories 3 and 4)
7. beta-photon mixture (a combination of categories 4 and 5)
8. neutron-photon mixture
9. angles of incidence photons (a combination of categories 3-B and 4)

Ms Wu Jyi-Lan  
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laboratories in Taiwan**

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## THAILAND

### PROGRAM

**ASEAN FOODS – programs in food component analysis**

### CONTACT

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Fax: 66 2 441 9344  
Email: [nuppw@mahidol.ac.th](mailto:nuppw@mahidol.ac.th)

### DSS THAILAND

Kasem Piritburana  
Director, Bureau of Laboratory  
Accreditation  
Department of Science Service  
Ministry of Science and Technology  
75/7 Rama VI Road, Bangkok 10400  
THAILAND  
Tel : 662-201-7027  
Fax : 662-201-7201  
Email: [kasem@dss.go.th](mailto:kasem@dss.go.th)

### Environmental Water

COD  
Heavy Metals  
pH  
Suspended Solids  
Total dissolved solids

Ms Rachada Hempattawee  
Ms Wannee Aupaiboon  
Coordinator  
Proficiency Testing Section  
Bureau of Laboratory Accreditation  
Department of Science Service  
Ministry of Science and Technology  
75/7 Rama VI Road, Bangkok 10400  
THAILAND  
Tel: 662-201-7333  
Fax: 662-201-7239  
Email: [rachada@dss.go.th](mailto:rachada@dss.go.th)  
Email: [wannee@dss.go.th](mailto:wannee@dss.go.th)

### Chemical Testing (Food and Feed)

Feeding Stuffs  
Flour  
Starch  
Milk powder

Ms Srisuda Romraluk  
Ms Sukanya Pondet  
Coordinator  
Proficiency Testing Section  
Bureau of Laboratory Accreditation  
Department of Science Service  
Ministry of Science and Technology  
75/7 Rama VI Road, Bangkok 10400  
THAILAND  
Tel: 662-201-7333  
Fax: 662-201-7239  
Email: [srisuda@dss.go.th](mailto:srisuda@dss.go.th)  
Email: [sukanya@dss.go.th](mailto:sukanya@dss.go.th)

### Chemical Testing

Low Alloy Steel  
Carbon Steel

Ms Wannee Aupaiboon  
Coordinator  
Proficiency Testing Section  
Bureau of Laboratory Accreditation  
Department of Science Service  
Ministry of Science and Technology  
75/7 Rama VI Road, Bangkok 10400  
THAILAND  
Tel: 662-201-7333  
Fax: 662-201-7239  
Email: [wanee@dss.go.th](mailto:wanee@dss.go.th)

### Microbiological Testing (Food and feed)

Aerobic Plate Count in starch  
-

Dr Raviwan Artsamang  
Head of Proficiency Testing Section  
Bureau of Laboratory Accreditation  
Department of Science Service  
Ministry of Science and Technology  
75/7 Rama VI Road, Bangkok 10400  
THAILAND  
Tel: 662-201-7333  
Fax: 662-201-7239  
Email: [raviwan@dss.go.th](mailto:raviwan@dss.go.th)

## **Calibration**

Volumetric Flasks  
Volumetric Pipettes  
Vernier  
Analog Micrometer  
Digital Micrometer  
Dial Gauge  
Dial Gauge Indicator  
Dial Gauge Tester

Dr Pochaman Tagheen  
Coordinator  
Proficiency Testing Section  
Bureau of Laboratory Accreditation  
Department of Science Service  
Ministry of Science and Technology  
75/7 Rama VI Road, Bangkok 10400  
THAILAND  
Tel: 662-201-7333  
Fax: 662-201-7239  
Email: pochaman@dss.go.th

## CANADA, CALA

### PROGRAM

### CONTACT

#### Environmental Water – Inorganic

C-1A	Major Ions
C-1B	NH <sub>3</sub> /DOC/o-P04/Br/NO <sub>2</sub>
C-2A	Dissolved Metals/Metal Hydrides
C-2B	Dissolved metals (high range)
C-2C	Total metals
C-3	TKN and TP
C-4A	TSS, VSS, TDS
C-4B	BOD/CBOD
C-4C	Turbidity
C-4D	COD
C-14	CN (SAD)
C-15	pH
C-19	Mercury
C-32	Residual Chlorine

Mr Ken Middlebrook  
Proficiency Testing Manager  
Canadian Association for Laboratory Accreditation Inc. (CALA)  
Suite 310, 1565 Carling Avenue  
Ottawa, Ontario, Canada K1S 2E1  
Ph: (613) 233 5300  
Fax: (613) 233 5501  
Email: [kmiddlebrook@caeal.ca](mailto:kmiddlebrook@caeal.ca)

## A2LA Accredited to ILAC Guide 13  
(Website: [www.a2la.org](http://www.a2la.org))

#### Environmental Water – Organic

C-6-A	OCP
C-6-B	PCB
C-7	PAH
C-16	BTEX/THM/VOC
C-22	OP Pesticides
C-24	Arloxy Acid Pesticides
C-25	Phenolic Compounds
C-27	Glyphosphate
C-29	Aldicarb
C-33	Phenolics
C-34	Total oil and grease

Mr Ken Middlebrook  
Proficiency Testing Manager  
Canadian Association for Laboratory Accreditation Inc. (CALA)  
Suite 310, 1565 Carling Avenue  
Ottawa, Ontario, Canada K1S 2E1  
Ph: (613) 233 5300  
Fax: (613) 233 5501  
Email: [kmiddlebrook@caeal.ca](mailto:kmiddlebrook@caeal.ca)

## A2LA Accredited to ILAC Guide 13  
(Website: [www.a2la.org](http://www.a2la.org))

### Environmental Water - Toxicology

C-11 Trout LC50  
C-12 Daphnia LC50  
C-13 Microtox IC50

## A2LA Accredited to ILAC Guide 13  
(Website: [www.a2la.org](http://www.a2la.org))

Mr Ken Middlebrook  
Proficiency Testing Manager  
Canadian Association for Laboratory  
Accreditation Inc. (CALA)  
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Ottawa, Ontario, Canada K1S 2E1  
Ph: (613) 233 5300  
Fax: (613) 233 5501  
Email: [kmiddlebrook@caeal.ca](mailto:kmiddlebrook@caeal.ca)

### Environmental Water - Microbiology

C-5A Microbiology  
C-5B Microbiology (presence/absence)

## A2LA Accredited to ILAC Guide 13  
(Website: [www.a2la.org](http://www.a2la.org))

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Canadian Association for Laboratory  
Accreditation Inc. (CALA)  
Suite 310, 1565 Carling Avenue  
Ottawa, Ontario, Canada K1S 2E1  
Ph: (613) 233 5300  
Fax: (613) 233 5501  
Email: [kmiddlebrook@caeal.ca](mailto:kmiddlebrook@caeal.ca)

### Environmental Oil – transformer

C-8 Total PCB in Oil

## A2LA Accredited to ILAC Guide 13  
(Website: [www.a2la.org](http://www.a2la.org))

Mr Ken Middlebrook  
Proficiency Testing Manager  
Canadian Association for Laboratory  
Accreditation Inc. (CALA)  
Suite 310, 1565 Carling Avenue  
Ottawa, Ontario, Canada K1S 2E1  
Ph: (613) 233 5300  
Fax: (613) 233 5501  
Email: [kmiddlebrook@caeal.ca](mailto:kmiddlebrook@caeal.ca)

### Environmental Air filter (quartz)

C-9 Metals on Air Filters  
C-10 Major Ions on Air

## A2LA Accredited to ILAC Guide 13  
(Website: [www.a2la.org](http://www.a2la.org))

Mr Ken Middlebrook  
Proficiency Testing Manager  
Canadian Association for Laboratory  
Accreditation Inc.  
(CALA)  
Suite 310, 1565 Carling Avenue  
Ottawa, Ontario, Canada K1S 2E1  
Ph: (613) 233 5300  
Fax: (613) 233 5501  
Email: [kmiddlebrook@caeal.ca](mailto:kmiddlebrook@caeal.ca)

**Environmental Soil/Sediment**

C-17 Metals in Soil  
C-18 PAH in Soil  
C31A PHC/BTEX in Soil  
C31B PHC in Soil  
C-35 PCBs in Soil  
C-36 VOCs in Soil

## A2LA Accredited to ILAC Guide 13  
(Website: [www.a2la.org](http://www.a2la.org))

Mr Ken Middlebrook  
Proficiency Testing Manager  
Canadian Association for Laboratory  
Accreditation Inc.  
(CALA)  
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Ottawa, Ontario, Canada K1S 2E1  
Ph: (613) 233 5300  
Fax: (613) 233 5501  
Email: [kmiddlebrook@cael.ca](mailto:kmiddlebrook@cael.ca)

### Occupational Health

\*Asbestos reference slides/filter wedges  
C-20 Asbestos  
Air filter (cellulose ester) – metals  
C-21 Metals in Air  
Charcoal Tube - organics  
C-28 Aromatic Organics in Air

## A2LA Accredited to ILAC Guide 13  
(Website: [www.a2la.org](http://www.a2la.org))

\* not accredited

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Accreditation Inc. (CALA)  
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Fax: (613) 233 5501  
Email: [kmiddlebrook@cael.ca](mailto:kmiddlebrook@cael.ca)

### CANADA, SCC and Other

#### PROGRAM

Accredited SCC Proficiency Testing  
Programs

refer to Scopes of Accreditation on SCC  
website for details

#### Mineral Analysis Testing

Element concentrations in mineralogical  
test samples: Au, Ag, Pt, Pd, Cu, Zn,  
Pb, Ni, Co

SCC Accredited (No. 420) to ISO Guide 43  
and ILAC Guide 13  
(Website: [www.scc.ca](http://www.scc.ca))

#### CONTACT

Coordinator, PTP-MAL  
Natural Resources Canada  
555 Booth Street,  
Ottawa, Ontario, Canada K1A 0G1  
Ph: (613) 943-0233  
Fax: (613) 943-0573  
Email: [ptp@NRCan.gc.ca](mailto:ptp@NRCan.gc.ca)  
Website:

### Trace Metals in biological samples

ICP-MS Comparison Program for trace metals in biological samples (Human urine, whole blood, hair or biological tissues) for Ag, Al, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mn, Mo, Ni, Pb, Pt, Sb, Se, Sn, Te, Tl, U, V, Zn. 3 samples/round

Sergine Lapointe  
[Institut](#) National de Sante publique  
du Quebec  
Centre de toxicologie  
945 Wolfe Ave, 4<sup>e</sup> etage  
Quebec, Quebec Canada G1V 5B3  
Ph : (418) 650-5115 ext. 4643  
Fax : (418) 654-2148  
Email : [sergine.lapointe@inspq.gc.ca](mailto:sergine.lapointe@inspq.gc.ca)

### Organics in biological samples

AMAP Ring Test for PCBs and OC pesticides in human serum

- Congeners of Polychlorinated biphenyls, polybrominated diphenyls ethers, toxaphenes and organochlorinated pesticides in human serum

### Environmental water – microbiology

:

Escherichia coli (MF), Escherichia coli (MPN), Faecal coliforms (MF), Faecal coliforms (P/A), Faecal streptococci (MF), Hetrotrophic plate count, Pseudomonas aeruginosa (MF), Salmonella spp (P/A), Staphylococcus aureus (MF), Total coliforms (MF), Total coliforms (P/A)

SCC Accredited (No. 590) to ISO Guide 43 and ILAC Guide 13  
(Website: [www.scc.ca](http://www.scc.ca))

Ms Nicole Brassard  
Centre d'expertise en analyse  
environnementale du Quebec  
Direction de l'accréditation  
850, boulevard Vanier, porte sud  
Laval, Quebec, Canada H7C 2M7  
Ph: (450) 664-1750 ext. 263  
Fax: (450) 661-8512  
Email:  
[nicole.brassard@mddep.gouv.qc.ca](mailto:nicole.brassard@mddep.gouv.qc.ca)

### Environmental water - inorganic chemistry

Absorbable organic halides, BOD(5 days), Boron, Bromates, Bromides, COD, Chlorides, Color, Conductivity, Corrosivity, Cyanide, Flouride, Mercury, Metals-high and low levels (Al, Sb, Ag, As, Ba, B, Cd, Cr, Co, Cu, Fe, Mg, Mn, Mo, Ni, Pb, Se, Na, Tl, V, Zn), Nitrates, Nitratyes and nitrites, Nitrites, Nitrogen and phosphorus, pH, Phenolics (4-AAP), Solids (suspended, volatile, total, dissolved), Sulphates, Sulphides, Total organic carbon, Turbidity

Mr Luc Levert  
Centre d'expertise en analyse  
environnementale du Quebec  
Direction de l'accréditation  
2700, rue Einstein, bureau E-2-215  
Quebec, Quebec, Canada G1p 3W8  
Ph: (418) 643-1301 ext 233  
fax: (418) 646-7612  
Email:[luc.levert@mddep.gouv.qc.ca](mailto:luc.levert@mddep.gouv.qc.ca)

**Environmental water - organic chemistry**

Aldicarbe, Aryloxy Acid pesticides, Dioxines and furanes, Diquat and paraquat, Glyphosate, NTA, OCL pesticides, Oil and grease, hydrocarbons C10-C50, OP pesticides, PCBs Arochlor, Phenolics compounds, Polycyclic Aromatic Hydrocarbons (PAH), Volatile organic compounds, BTEX and THM

**Environmental soil, sludge, oil - inorganic chemistry**

Bromides (soil), Leaching (TCLP) (soil), Metals (soil) (Al, Ag, As, Ba, B, Cd, Ca, Cr, Co, Cu, Sn, Mg, Mn, Hg, Mo, Ni, Pb, K, Se, Zn), Nitrogen and phosphorus (soil), pH (sludge), Soilds (sludge), Total halogenes (Oil)

**Environmantal soil, oil - organic chemistry**

Dioxines and furnanes, Hydocarbons C10-C50 (soil), PCBs Arochlor (oil), PCB Arochlor (soil), PCB congener (soil), Phenolic compound (soil), Polycyclic Aromatic Hydrocarbons (PAH) (soil), Volatile organic compound and BTEX (soil)

SCC Accredited (No. 590) to ISO Guide 43 and ILAC Guide 13  
(Website: [www.scc.ca](http://www.scc.ca) )

A2LA, USA

**Accredited A2LA Proficiency Testing Programs**

(Please refer to Scopes of Accreditation on A2LA website for details)

**PROGRAM**

**CONTACT**

**Environmental Water - Inorganics**

Major Ions & Nutrients in Acid Rain & Soft Waters (1-60mS) 10 sample set

Major Ions & Nutrients in Surface Waters (50-1000mS) 10 sample set

Trace Elements in Surface Waters (1-500mg/L) 10 sample set

Total Phosphorus in Fortified Waters (0-0.5mg/L) 10 sample set

Total Mercury in Fortified Waters (0-0.5g/L) 10 sample set (in Sept/Oct only)

CWA-Water; SDWA-Water; RCRA-Solid; SDWA-Radiochemistry; Environmental Toxicology; Water Pollution; Water Supply; Drinking Water; Soil/Hazardous Waste; Underground Storage Tank; Radiochemistry; DMR-QA; Pharmaceutical

Gage Blocks; Long Gage Blocks; Hand Gages; Plain Ring Gages; Thread Plug Gages; Thread Wires; CMM Measurement; Digital Multimeter; Temperature Simulation; Plain Plug Gages; Optical 2D Measurement; Dimensional Inspection; RF Power Sensor Calibration; Microwave Attenuator Calibration; Micrometer Master Rod Calibration; Mass Measurement; Torque Wrench Calibration; Electrical - DC Low Frequency; Rf Microwave; Mechanical- Pressure; vacuum; torque; force, durometers, scales and balances; Period Time; Frequency

Ms Jayne Simser  
NWRI PT studies & CRMs  
National Water Research Institute  
Environment Canada  
867 Lakeshore Road  
Burlington, Ontario  
Canada L7R 4A6  
Ph: (905) 336 6299  
Fax: (613) 949 1538  
Email: [Jayne.Simser@ec.gc.ca](mailto:Jayne.Simser@ec.gc.ca)

Environmental Resource Associates,  
Inc. (ERA)  
Curtis Wood  
6000 West 54<sup>th</sup> Avenue  
Arvada, CO 80002  
Phone: 303 431 8454  
Email: [cwood@ERAQC.COM](mailto:cwood@ERAQC.COM)  
Web: [www.eraqc.com](http://www.eraqc.com)

HN Proficiency Testing Inc.  
Henrik Nielsen  
10219 Coral Reef Way  
Indianapolis, IN 46256  
Phone: 317 849 2286  
Web: [www.hn-proficiency.com](http://www.hn-proficiency.com)

Chemical (water, food, wine, asbestos, metal alloys, coal, fuels, paint), Biological (waters, pathogens in food, Legionella in water, carcass hygiene, algae, Cryptosporidium and Giardia in water, dairy), Construction Materials (soils, asphalt, aggregates, concrete), Mechanical (tensile testing of metals, hardness testing of metals, chains, textiles), Non-Destructive Testing (ultrasonics, radiography, magnetic particle inspection), Calibration (optics & radiometry, metrology, acoustic & vibration, electrical, heat & temperature)

Proficiency Testing, Australia  
Philip Briggs  
PO Box 7507  
Silverwater NSW 2128  
Australia  
Phone: 61 2 9736 8397  
Email: [pbriggs@pta.asn.au](mailto:pbriggs@pta.asn.au)  
Web: [www.pta.asn.au](http://www.pta.asn.au)

Rockwell Hardness, Brinell Hardness, Vickers Hardness, Microindentation Hardness, Durometer Hardness, Leeb Hardness

Newage Testing Instruments, Inc.  
Michael Guglicelli  
147 James Way  
Southampton, PA 18966  
Phone: 727 536 7831 x6015  
Email: [Michael.guglicelli@ametek.com](mailto:Michael.guglicelli@ametek.com)  
[www.newageinstruments.com](http://www.newageinstruments.com)

Capacitance, Inductance, Resistance, Temperature, Frequency, Micrometers, Hardness, DC Voltage, Torque

MeasurePT, Inc  
Jeff C Gust  
17043 Governors Drive  
Columbia City, IN 46725  
Phone: 260 244 7450

Environmental Chemistry, Drinking Water, Waste Water, Soil and solid matrix

Absolute Standards  
Stephen Arpie  
P.O. Box 5585  
Hamden, CT 06518  
Phone: 203 281 2917  
Email:  
[stephenarpie@absolutestandards.com](mailto:stephenarpie@absolutestandards.com)

Acoustics, Dimensional, Gasflow, Mechanical, Thermodynamic, Time and Frequency, Electrical both low frequency and MW, plus regional programs with CMMs, analytical and bench scales, optical comparators, hardness testers and surface plates

National Association for Proficiency Testing (NAPT)  
Chuck Ellis  
901 Twelve Oaks Centre Drive, Suite 920  
Wayzata, MN 55391  
Phone: 952 303 6126  
Email: [napt@proficiency.org](mailto:napt@proficiency.org)  
[www.proficiency.org](http://www.proficiency.org)

**Radiochemistry**

air, soil, water, vegetation, food

U.S. Department of Energy  
radiological and Environmental  
Sciences Laboratory

CFA-690

Albany Avenue and Lincoln Road

MS-4149

Idaho Falls, ID 83415

Anita R. Bhatt Phone: 208-526-1273

Email: [bhattar@id.doe.gov](mailto:bhattar@id.doe.gov)

**Radiological Imaging**

thyroid, whole body, lung, urine and fecal

New York State Department of  
Health, Environmental Laboratory

Approval Program

Kenneth Aldous, Ph.D.

Wadsworth Center

Empire State Plaza

Albany, NY 12201-0509

Phone: 518 485 5570

[www.wadsworth.org/labcert/elap/elap.htm](http://www.wadsworth.org/labcert/elap/elap.htm)

Drinking Water; Environmental Analysis  
Water; Solid/Hazardous Waste; Waste;  
Air Emissions

DMR-QA

Water Supply

Water Pollution

Water Supply Microbiology

Drinking Water

NSI Solutions, Inc.

Mark Hammersla

7517 Precision Drive

Suite 101

Raleigh, NC 27617

Email: [mark.hammersla@nsi-es.com](mailto:mark.hammersla@nsi-es.com)

Asbestos content in building materials;  
asbestos fibres in air

RTI International

Bruce W. Harvey

3040 Cornwallis Road

P.O. Box 12194

Research Triangle Park, NC 27709-  
2194

Phone: 919 541 6573

Email: [bwh@rti.org](mailto:bwh@rti.org)

DMR-QA

Water Supply

Water Pollution

Drinking Water

Wibby Environmental

Chuck Wibby

6390 Joyce Drive, #100

Golden, CO 80403

Phone: 303 940 0033

Email: [cwibby@wibby.com](mailto:cwibby@wibby.com)

Water Supply-Microbiological

Water Pollution-Microbiological

DMR-QA-Microbiology

Microcheck, Inc

PT Coordinator

142 Gould Road

Northfield, VT 05663

Phone: 802 485 6600 Ext.27

Email: [Courtney@microcheck.com](mailto:Courtney@microcheck.com)

**A2LA, USA**

**Non – A2LA Accredited Proficiency Testing Programs**  
(Please refer to Scopes of Accreditation on A2LA website for details)

**PROGRAM**

**CONTACT**

**Radio Frequency Noise Sources for  
Electromagnetic Compatibility (EMC)  
Measurements**

Conducted Emissions  
Radiated Emissions

American Council of Independent  
Laboratories (ACIL)  
Janet Allen  
1629 K Street NW, Suite 400  
Washington, DC 20006  
Phone: 202 887 5872  
Website: [www.acil.org](http://www.acil.org)

**IHPAT –**  
(1) metals, organics, asbestos, silica  
quarterly)  
(2) Diffusive samples (semi-annually)

AIHA Proficiency Analytical Testing  
Programs, LLC  
Mary Ann Latko  
Director  
2700 Prosperity Avenue, Suite 250  
Fairfax, VA 22031  
Phone: 703 846 0757  
Fax: 703 207 8558  
[www.aihapat.org](http://www.aihapat.org)

**BAPAT - bulk asbestos (quarterly) \*\***

(\*\* Participation required for  
A2LAaccredited PLM laboratories)

**ELPAT – Pb in paint, soil, dust wipes, air  
(quarterly) \*\***

(\*\* Participation required for the A2LA  
Environmental Lead (Pb) Accreditation  
Program)

**EMPAT – fungi and bacteria (three times  
per year)**

**BePAT – Beryllium (three times per year)**

**AAT – Asbestos air samples (quarterly) \*\***

(\*\* Participation required for  
A2LAaccredited  
PCM laboratories)

### Smalley Program

Edible Oils  
(Contact program coordinator for the list of oils available.)

American Oil Chemists Society  
Dawn Shepard  
P.O. Box 3489  
Champaign, IL 61826-3489  
Phone: 217 359 2344  
Fax: 217 351 8091  
www.aocs.org

### ILAP/LPED

Metal alloys  
(monthly, quarterly, semi-annually and at custom frequencies)

Analytical Reference Materials International, Inc. (ARMI)  
Paul Dalager  
700 Corporate Circle, Suite A  
Golden, CO 80401  
Phone: 800 421 9454  
Fax: 303 216 2649  
Email: lped@armi.com  
www.armi.com

### Food microbiology and food chemistry Samples

(three times per year); medical EQA

American Proficiency Institute  
Sue Empson  
1159 Business Park Drive  
Traverse City, MI 49686  
Phone: 800 333 0958  
Fax: 231 941 7287  
Email: foodtest@api-pt.com

### ASTM Committees E1 & D2 Programs

Metals, Petroleum Products, Plastics, Textiles, Engine Coolants

ASTM  
Manager, Proficiency Testing Program  
100 Barr Harbor Drive  
West Conshohocken, PA 19428-2959  
Phone: 610 832 9681  
Fax: 610 832 9668  
www.astm.org

**CCRL, AMRL, AASHTO \*\***

Concrete, Cement, Soils, Asphalt  
Aggregate

(\*\* Participation in SPSP of AASHTO  
required for Geotechnical laboratories  
accredited for ASTM methods that specify  
this proficiency testing program.)

CCRL  
James H Pielert  
100 Bureau Drive, Stop 8618  
Gaithersburg, MD 20899-8618  
Phone: 301 975 6701  
Fax: 301 975 2243  
Email: ccrl@nist.gov

Coal

INTERLAB, Division of Vanguard  
Solutions  
Karen Williams  
P.O. Box 1970  
Ashland, KY 41105-1970  
Phone: 606 325 1970  
Fax: 606 325 2689  
Email: infor@vanguard-solutions.com  
www.vanguard-solutions.com

Animal Drug Samples

International Interlaboratory Testing  
Program (IITP)  
Iowa State University  
Walter Hyde, Ph.D.  
Department of Racing Chemistry  
College of Veterinary Medicine  
Ames, IA 50011  
Phone: 515 294 1950 x2636  
Fax: 515 294 3182

Ores Containing Gold, Silver, Platinum,  
Palladium, Copper, Zinc, Lead, Nickel,  
Cobalt

Mineral Analysis Laboratories  
PTP-MAL Coordinator:  
Ms Diane Desroches  
555 Booth St.  
Ottawa, Ontario, Canada K1A 0G1  
Phone: 613 995 4738  
Fax: 613 943 0573  
Email: ptp@nrcan.gc.ca  
For info : ccrmp.gc.ca

Salt Spray (ASTM B117)  
CASS Test (ASTM B368)  
Cyclic Corrosion (GM 9540P)

National Exposure Testing  
Christa Lammers  
3545 Silica Road, Suite E  
Sylvania, OH 43560  
Phone: 419 841 1065  
Fax: 419 841 8716  
www.nationalexposuretesting.com

Mass, Length, Volume

NIST – Office of Weights and Measures  
Georgia Harris  
100 Bureau Drive – Stop 2600  
Gathersburg, MD 20899-2350  
Phone: 301 975 4014  
Fax: 301 926 0647  
Email: gharris@nist.gov

Fertilizers

North Carolina Dept of Agriculture  
Dr Joel S Padmore  
4000 Ready Creek Road  
Raleigh, NC 27607  
Phone: 919 733 7366  
Fax: 919 733 6801  
[www.magruderchecksample.org](http://www.magruderchecksample.org)

Putting Green Samples \*\*

(\*\* Participation required for laboratories accredited under the A2LA Putting Green Materials Program)

USGA Green Section Proficiency Testing Program  
Dr Robert O Miller  
Colorado State University  
Soil & Crop Science Department  
Phone: 970 686 5702  
Fax: 970 416 5820  
Email: [rmiller@lamar.colostate.edu](mailto:rmiller@lamar.colostate.edu)

**CNAS, People's Republic of China**

**PROGRAM**

**CONTACT**

**Chemical Testing**

**Coal, coke**

Ash, Volatile matter, Sulfur, Calorific value

**Spirit:**

Methanol, Fusel oil, Manganese, Lead

**Milk powder**

Ash, Protein, Vitamine

**Copper concentrates**

Silver, Arsenic, Lead, Zinc

## CNAS Accredited to ILAC Guide 13  
(Website: [www.cnas.org.cn](http://www.cnas.org.cn))

**Ceramics**

Lead and Cadmium Extracted from  
Glazed Ceramics

Mr. CHEN Yong

Entry-Exit Inspection and Quarantine  
Technical center of Shanxi Entry-Exit  
Inspection and Quarantine Bureau  
No.20, Yifen Street, 030024 Taiyuan,  
Shanxi, China

Ph: +86 351 6162536

Fax: +86 351 61622536

E-mail: [c6367@163.com](mailto:c6367@163.com)

Mr. XIANG Haibo

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Entry-Exit Inspection & Quarantine  
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No.63, Liuquan Road, Zhangdian  
District, 255031 Zibo, Shandong,  
China

Ph: +86 533 3177717

Fax: +86 533 3183388

E-mail: [zbcjq@ciqtc.com](mailto:zbcjq@ciqtc.com)

**Water**

Heavy metal elements, Organic component, etc.

**Gas**

SO<sub>2</sub>, CO<sub>2</sub>, O<sub>2</sub>, etc.

**Environmental components**

Water except salt water, Air, Soil, Solid waste Chromium sludge, Solid waste Lead zinc sludge

**Workplace ambient and hazardous materials**

Organic vapours, Inorganic gases, Engine's emissions

**Coal**

Proximate analysis, Ultimate analysis

**Coal ash**

Component analysis, Fusibility

**Coke**

Proximate analysis, Total sulfur, Calorific value

**Chemical Testing /Mechanical Testing**

**Metals or Metallic Products**

Tensile, Rockwell hardness, Impact, Micro-beam analysis

**Metals and Alloys**

Iron & Steel, Aluminium and aluminium alloy, Magnesium and magnesium alloy, Zinc and zinc alloy, Silicon metal, Micro-beam analysis

**Ore and mineral**

Iron ore, Micro-beam analysis

**Clay, pottery**

Firebrick material, Micro-beam analysis

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Raw silk, mulberry spun silk yarn,  
doupion silk, thrown silk for warp and  
weft, Mulberry Native silk

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Metal, Minerals and relative material

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Adhesive and relative products, Organic  
mixture, Plastics, Rubber or Rubber  
Product

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**Chemical Testing/Microbiological  
Testing/ Animal quarantine**

**Food**

Toxicology test, Microbiology exam,  
Inherited material test, Chemical test,  
Residue in food

**Grain**

Weed

**Petroleum products**

Distillation □ Flash and fire points, etc.

**Iron Ore**

Total Fe, Fe, Si, Ca, Mn, Al, Ti, Mg, P

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**Copper Concentrate**

Cu

**Chrome Ore**

Cr<sub>2</sub>O<sub>3</sub>, Total Fe

**Manganese Ore**

Mn

Animals and animal products quarantine

**Chemical/Construction Materials Testing**

**Concrete specimens**

Compressive strength

**Concrete admixtures**

Reduled water rate, The ratio of bleeding rate, Content of gas, Setting time  
Reinforcing, Steel rust

**Concrete structures**

Resist thickness for steel

**Water-proof materials**

Tensile properties

**Fly ash**

Fineness Water demand rate, Ignition  
Invariability, Strength activity index

**Building materials**

Radionuclides

**Indoor air**

Formaldehyde concentration,  
Ammonia concentration, Benzene  
concentration, TVOC

**Insulating materials**

Density, Thermal conductivity

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Cement, Fly ash,  
Ground granulated blast furnace slag,  
Additives for concrete,  
Methods for chemical analysis of  
limestone for building material industry,

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Methods for chemical analysis of clay,  
Methods for chemical analysis of gypsum,  
Methods for chemical analysis of iron  
correting materials for cement industry,  
Harmful substances in solvent coatings  
for woodenware,  
Radionuclide in building materials,  
Proximate analysis of coal

### Forensic Science

#### Document Examination

Examination for Handwriting, Stamp  
Impressions, Printed Documents and  
Questioned Documents

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#### Forensic Medicine

Forensic examination of cadaver's  
surface, Forensic autopsy, Forensic  
detection of organ or tissue, Evaluation of  
personal injuries, Assessment of body  
impairment

#### Forensic Toxicology

Detection for ethanol in blood,  
Determination of abuse drugs and  
pesticides in blood and urine

#### Forensic Biology

Individual identification (including  
paternity and maternity test)

## Microbiological Testing

### **Peanut or Peanuts butter**

Aflatoxin B1 B2 G1 G2

### **Food**

Parathion, Cypermethrin, Fenvalate, Chlorpyrifos, Aerobic bacterial count, Salmonella, Vibrio parahaemolyticus, Lead, Total arsenic, Cadmium, Total mercury

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### **Iron ores**

Total iron content, Sulphur, Silicon, Calcium, Manganese, Aluminium, Titanium, Magnesium, Phosphorus

### **Petroleum and liquid petroleum products**

Water content, Density, Kinematic viscosity, Sulphur, Ash, Flash point □ closed cup □, Flash point □ open cup □, Sulphated ash, Pour point, Distillation

## Quarantine

Animal quarantine

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## Health Testing

### **Blood**

Anti-HIV, Anti-TP, HBsAg, Anti-HCV

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Complete Blood Cell Count, Routine  
chemistry, Clinical immunology, PCR –  
Virology, Clinical microbiology

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