

CALA ACCREDITATION PROGRAM
PROPOSED SCOPE OF TESTING
Correlation Proviso: All Options

LABORATORY NAME: ISURA

CLIENT ID: 1004022

FIELD OF ACCREDITATION: Environmental

MATRIX: Water

APPENDIX NO / NAME

008 Glyphosate - Water

LAB METHOD ID

MS-05

ANALYTICAL

LC/MS/MS

PREPARATION

METHOD REFERENCE

USGS METHOD 5-A10

MODIFIED

No

ANALYTICAL

Yes

PREPARATION

Yes

ANALYTE:

Glyphosate

OPTION

100%

PT

Proficient

ACCRED

Yes

FIELD OF ACCREDITATION: Natural Health Products

MATRIX: Natural Health Products

APPENDIX NO / NAME

001 Pesticides - Natural Health Products

LAB METHOD ID

MS-01 PESTICIDE

ANALYTICAL

GC/MS/MS

PREPARATION

METHOD REFERENCE

EN15662

MODIFIED

Yes

ANALYTICAL

Yes

PREPARATION

Yes

USP 561

No

Yes

No

ANALYTE:

OPTION

100%

PT

ACCRED

2,4'-DDD (o,p'-DDD)

vi

Yes

2,4'-DDE (o,p'-DDE)

vi

Yes

4,4'-DDD (p,p'-DDD)

ii

Proficient

Yes

4,4'-DDE (p,p'-DDE)

ii

Proficient

Yes

a - Chlordane

i

Proficient

Yes

A -BHC

i

Proficient

Yes

Alachlor

vi

Yes

Aldrin

i

Proficient

Yes

beta-Hexachlorocyclohexane (b-HCH, b-BHC, beta-HCH, beta-BHC)

ii

Proficient

Yes

Bromophos-ethyl

ii

Proficient

Yes

Bromophos-methyl

vi

Yes

Bromopropylate

ii

Proficient

Yes

Chlorpyrifos ethyl

i

Proficient

Yes

Chlorpyrifos methyl (Reldan)

ii

Proficient

Yes

Chlorthal-dimethyl

ii

Proficient

Yes

Cyfluthrin

ii

Proficient

Yes

Cypermethrin

ii

Proficient

Yes

delta-Hexachlorocyclohexane (d-HCH, d-BHC, delta-HCH, delta-BHC)

iv

Yes

Deltamethrin

ii

Proficient

Yes

Dichlofluanid

vi

Yes

Dicofol

ii

Proficient

Yes

Dieldrin

i

Proficient

Yes

Endosulfan I

i

Proficient

Yes

CALA ACCREDITATION PROGRAM
PROPOSED SCOPE OF TESTING
Correlation Proviso: All Options

LABORATORY NAME: ISURA

CLIENT ID: 1004022

Endosulfan II	i	Proficient	Yes
Endosulfan sulfate (Endosulphan sulphate)	ii	Proficient	Yes
Endrin	i	Proficient	Yes
epsilon-BHC	iv		Yes
Fenchlorophos-oxon (Ronoxon)	vi		Yes
Fenchlorphos (Ronnel)	vi		Yes
Fenitrothion	ii	Proficient	Yes
Fenpropathrin	ii	Proficient	Yes
Fensulfothion sulfone	ii	Proficient	Yes
Fenthion	ii	Proficient	Yes
Fenthion sulfone	ii	Proficient	Yes
Fenvalerate	ii	Proficient	Yes
Flucytrinate	ii	Proficient	Yes
Fonofos	ii	Proficient	Yes
g - Chlordane	i	Proficient	Yes
Heptachlor	i	Proficient	Yes
Heptachlor endo-epoxide	ii	Proficient	Yes
Heptachlor epoxide	i	Proficient	Yes
Hexachlorobenzene (HCB)	ii	Proficient	Yes
Lindane (gamma-BHC)	i	Proficient	Yes
Methacriphos	ii	Proficient	Yes
Methidathion (Supracide)	ii	Proficient	Yes
Methyl parathion (Parathion-methyl)	ii	Proficient	Yes
Mirex	i	Proficient	Yes
o,p' - DDT	i	Proficient	Yes
Oxychlordane	vi		Yes
p,p' - DDT	i	Proficient	Yes
p,p' Methoxychlor	i	Proficient	Yes
Paraoxon-methyl	vi		Yes
Parathion (ethyl)	i	Proficient	Yes
Pentachloroaniline	ii	Proficient	Yes
Pentachloroanisole	vi		Yes
Pentachloronitrobenzene (Quintozone)	ii	Proficient	Yes
Pentachlorothioanisole (Methyl pentachlorophenyl sulfide)	vi		Yes
Permethrin	ii	Proficient	Yes
Phorate (Thimet)	i	Proficient	Yes
Phosalone	ii	Proficient	Yes
Procymidone	ii	Proficient	Yes
Prothiophos (Tokuthion)	vi		Yes
S-421	vi		Yes
Tecnazene	ii	Proficient	Yes
Tetradifon	ii	Proficient	Yes
Vinclozolin	ii	Proficient	Yes

APPENDIX NO / NAME

002 Pesticides - Natural Health Products

LAB METHOD ID

MS-01 PESTICIDE

ANALYTICAL

LC/MS/MS

PREPARATION

METHOD REFERENCE

EN15662

USP 561

MODIFIED

Yes

No

ANALYTICAL

Yes

Yes

PREPARATION

Yes

No

ANALYTE:

OPTION

PT

ACCRED

100%

Acephate

Atrazine

Azinphos-ethyl

Azinphos-methyl

Bendiocarb

i

i

ii

i

i

Fail(1)

Proficient

Proficient

Proficient

Proficient

Possible Suspension

Yes

Yes

Yes

Yes

CALA ACCREDITATION PROGRAM
PROPOSED SCOPE OF TESTING
Correlation Proviso: All Options

LABORATORY NAME: ISURA

CLIENT ID: 1004022

Carbaryl	i	Proficient	Yes
Carbofuran	i	Proficient	Yes
Chlorfenvinphos	ii	Proficient	Yes
Cinerin I	vi		Yes
Cinerin II	vi		Yes
Cyanazine	i	Proficient	Yes
Diazinon	i	Proficient	Yes
Dichlorvos (DDVP)	i	Proficient	Yes
Dimethoate	i	Proficient	Yes
Diuron	i	Proficient	Yes
Ethion	ii	Proficient	Yes
Etrimfos	ii	Proficient	Yes
Fensulfothion	ii	Proficient	Yes
Fensulfothion oxon	ii	Proficient	Yes
Fensulfothion oxon sulfone	ii	Proficient	Yes
Fenthion oxon	vi		Yes
Fenthion oxon sulfone	vi		Yes
Fenthion oxon sulfoxide	vi		Yes
Fenthion sulfoxide	ii	Proficient	Yes
Jasmolin I	vi		Yes
Jasmolin II	vi		Yes
Malaoxon	ii	Proficient	Yes
Malathion	i	Proficient	Yes
Mecarbam	ii	Proficient	Yes
Methamidophos	ii	Proficient	Yes
Metolachlor	i	Proficient	Yes
Metribuzin (Sencor)	i	Proficient	Yes
Monocrotophos	ii	Proficient	Yes
N-Desethyl-pirimiphos-methyl	vi		Yes
Omethoate	ii	Proficient	Yes
Paraoxon-ethyl	vi		Yes
Pendimethalin	ii	Proficient	Yes
Phosmet (Imidan)	ii	Proficient	Yes
Piperonyl butoxide	ii	Proficient	Yes
Pirimiphos-ethyl	ii	Proficient	Yes
Pirimiphos-methyl	ii	Proficient	Yes
Profenofos	ii	Proficient	Yes
Pyrethrin I	vi		Yes
Pyrethrin II	vi		Yes
Quinalphos	ii	Proficient	Yes
Simazine	i	Proficient	Yes

APPENDIX NO / NAME

003 Total Dithiocarbamates - Natural Health Products

LAB METHOD ID

MS-02 GC-EBDC

ANALYTICAL

GC/MS-HEADSPACE

PREPARATION

METHOD REFERENCE

A. ROYER, ET AL. 2001 DEVELOPMENT OF AUTOMATED HEADSPACE GAS CHROMATOGRAPHY DETERMINATION OF DITHIOCARBAMATES IN PLANT MATRICES

MODIFIED

Yes

ANALYTICAL

Yes

PREPARATION

Yes

ANALYTE:

Total Dithiocarbamates

OPTION

100%

PT

Proficient

ACCRED

Yes

APPENDIX NO / NAME

CALA ACCREDITATION PROGRAM
PROPOSED SCOPE OF TESTING
Correlation Proviso: All Options

LABORATORY NAME: ISURA

CLIENT ID: 1004022

004 Genetically Modified Food (GMO) - Natural Health Products [Food, Oils, Powder]

<u>LAB METHOD ID</u>		<u>ANALYTICAL</u>	<u>PREPARATION</u>
GMO-01		QUANTITATIVE POLYMERASE CHAIN REACTION (PCR)	
<u>METHOD REFERENCE</u>	<u>MODIFIED</u>	<u>ANALYTICAL</u>	<u>PREPARATION</u>
TAQMAN FAST ADVANCED MASTER MIX USER GUIDE REV D JULY 2017	No	Yes	No
<u>ANALYTE:</u>		<u>OPTION</u>	<u>PT</u> <u>ACCRED</u>
		100%	
GMO (Screening)		vi	Yes

APPENDIX NO / NAME

005 Heavy Metals - Natural Health Products

<u>LAB METHOD ID</u>		<u>ANALYTICAL</u>	<u>PREPARATION</u>
MS-03 ICPMS HEAVY METALS		ICP/MS	
<u>METHOD REFERENCE</u>	<u>MODIFIED</u>	<u>ANALYTICAL</u>	<u>PREPARATION</u>
USP 232	No	Yes	No
USP 233	Yes	Yes	Yes
<u>ANALYTE:</u>		<u>OPTION</u>	<u>PT</u> <u>ACCRED</u>
		100%	
Arsenic		i	Proficient Yes
Barium		i	Proficient Yes
Cadmium		i	Proficient Yes
Cesium		vi	Yes
Chromium		i	Proficient Yes
Copper		i	Fail(1) Possible Suspension
Iridium		vi	Yes
Iron		i	Proficient Yes
Lead		i	Proficient Yes
Mercury		i	Proficient Yes
Molybdenum		i	Proficient Yes
Nickel		i	Proficient Yes
Osmium		vi	Yes
Palladium		vi	Yes
Platinum		vi	Yes
Ruthenium		vi	Yes
Selenium		i	Fail(1) Possible Suspension
Strontium		i	Proficient Yes
Vanadium		i	Proficient Yes
Zinc		i	Fail(1) Possible Suspension

APPENDIX NO / NAME

006 Residual Solvents - Natural Health Products

<u>LAB METHOD ID</u>		<u>ANALYTICAL</u>	<u>PREPARATION</u>
MS-04 GCMS RESIDUAL SOLVENTS		GC/MS-HEADSPACE	
<u>METHOD REFERENCE</u>	<u>MODIFIED</u>	<u>ANALYTICAL</u>	<u>PREPARATION</u>
USP 467	Yes	Yes	Yes

CALA ACCREDITATION PROGRAM
PROPOSED SCOPE OF TESTING
Correlation Proviso: All Options

LABORATORY NAME: ISURA

CLIENT ID: 1004022

<u>ANALYTE:</u>	<u>OPTION</u>	<u>PT</u>	<u>ACCRED</u>
	100%		
1,1,1-Trichloroethane	i	Proficient	Yes
1,1-Dichloroethylene	i	Fail(1)	Possible Suspension
1,2-Dichloroethane	i	Proficient	Yes
1,2-Dimethoxyethane	vi		Yes
1-Butanol (n-Butanol)	i	Proficient	Yes
1-Pentanol	i	Proficient	Yes
1-Propanol (Propanol)	i	Proficient	Yes
2-Butanol (sec-Butanol)	i	Proficient	Yes
2-Hexanone (Methyl butyl ketone, MBK)	vi		Yes
2-Methyl-1-propanol (Isobutanol)	i	Proficient	Yes
2-Propanol (Isopropyl alcohol)	i	Fail(3)	Withdrawn
3-Methyl-1-butanol	i	Proficient	Yes
Acetone (2-Propanone)	i	Proficient	Yes
Acetonitrile	vi		Yes
Anisole	i	Proficient	Yes
Benzene	i	Proficient	Yes
Butyl acetate	i	Fail(1)	Possible Suspension
Carbon tetrachloride	i	Proficient	Yes
Chlorobenzene	i	Proficient	Yes
Chloroform	i	Proficient	Yes
cis-1,2-Dichloroethylene	i	Proficient	Yes
Cyclohexane	vi		Yes
Dichloromethane	i	Proficient	Yes
Ethanol	i	Proficient	Yes
Ethyl acetate	i	Proficient	Yes
Ethyl ether	i	Fail(1)	Possible Suspension
Ethyl formate	vi		Yes
Ethylbenzene	i	Proficient	Yes
Heptane (n-Heptane)	i	Proficient	Yes
Hexane (n-Hexane)	vi		Yes
Isobutylacetate (2-Methylpropyl acetate)	i	Proficient	Yes
Isopropyl acetate	i	Proficient	Yes
Isopropylbenzene (Cumene)	vi		Yes
m,p-Xylene	i	Proficient	Yes
Methanol	vi		Yes
Methyl acetate	i	Proficient	Yes
Methyl ethyl ketone	i	Fail(1)	Possible Suspension
Methyl formate	vi		Yes
Methyl isobutyl ketone (MIBK)	i	Proficient	Yes
Methyl t-butyl ether	i	Proficient	Yes
Methylcyclohexane	vi		Yes
Nitromethane	vi		Yes
o-Xylene	i	Proficient	Yes
p-Dioxane	vi		Yes
Pentane	i	Proficient	Yes
Propyl acetate	i	Proficient	Yes
Pyridine	vi		Yes
Tetrahydrofuran (THF)	vi		Yes
Tetralin (1,2,3,4-Tetrahydronaphthalene)	vi		Yes
Toluene	i	Proficient	Yes
trans-1,2-Dichloroethylene	i	Proficient	Yes
Trichloroethylene	i	Proficient	Yes

APPENDIX NO / NAME

007 Glyphosate - Natural Health Products

LAB METHOD ID

MS-05

ANALYTICAL

LC/MS/MS

PREPARATION

CALA ACCREDITATION PROGRAM
PROPOSED SCOPE OF TESTING
Correlation Proviso: All Options

LABORATORY NAME: ISURA

CLIENT ID: 1004022

METHOD REFERENCE

USGS METHOD 5-A10

MODIFIED

Yes

ANALYTICAL

Yes

PREPARATION

Yes

ANALYTE:

Glyphosate

OPTION

100%

PT

Proficient

ACCRED

Yes

APPENDIX NO / NAME

009 Herbal Identification of Plants and Extracts - Natural Health Products

LAB METHOD ID

HPTLC-01

ANALYTICAL

HIGH PERFORMANCE THIN LAYER
CHROMATOGRAPHY (HPTLC)

PREPARATION

EXTRACTION

METHOD REFERENCE

INTERNATIONAL HPTLC ATLAS OF
IDENTIFICATION OF HERBAL DRUGS - HPTLC
ASSOCIATION

MODIFIED

Yes

ANALYTICAL

No

PREPARATION

Yes

USP 1064

Yes

Yes

No

USP 203

Yes

Yes

Yes

ANALYTE:

OPTION

100%

PT

ACCRED

Alfalfa (Medicago sativa)
American Ginseng
Anise Seed
Asian Ginseng Root
Barley (Hordeum vulgare)
Caraway Seed
Cascara Sagrada Bark
Chaste Tree Fruit
Cinnamon Bark
Cranberry Fruit
Echinacea Purpurea
Epimedium Leaf
Eucalyptus Oil
Ginger Root
Horse Chestnut
Lavender Oil
Parsley Oil
Passionflower
Suma Root
Willow Bark

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