



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

THE CONNECTICUT AGRICULTURAL EXPERIMENT STATION,  
DEPARTMENT OF ANALYTICAL CHEMISTRY  
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CHEMICAL

Valid To: February 28, 2025

Certificate Number: 4133.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following test methods on the matrices identified within the table below:

<u>Test</u>	<u>Method(s)</u>
Aflatoxin Analysis in Animal Feed and Human Foods (B1, B2 G1, and G2)	LC/MS (CT Tech SOP 051)
Percent Crude Fat Analysis in Animal Feed	Ankom Fat Extractor (CT Tech SOP 059) ANKOM Hydrolysis System (CT Tech SOP 074)
Percent Crude Protein Analysis in Animal Feed	Leco Combustion Method (CT Tech SOP 058)
Pesticide Residues in Food & Plant Material <sup>1,2,3</sup>	GC/MS/MS and LC/MS (CT Tech SOP 029)
Total Delta-9 tetrahydrocannabinol (THC) and Cannabidiol (CBD) Analyses in Hemp ( <i>Cannabis sativa</i> )	GC-FID (CT Tech SOP 069)
THC, THCA, CBD, CBDA Analysis in Food, Plant Material, Consumer Products by HPLC-UV	HPLC-UV (CT Tech SOP 082)

**Appendix A: Pesticides by GC/MS/MS**

2,4-Methoxychlor  
2-phenylphenol  
4,4-Methoxychlor olefin  
Acetochlor  
Acrinathrin  
Alachlor  
Aldrin  
Allethrin  
Allidochlor  
Anthraquinone  
Atrazine  
Azinophos ethyl  
Azinophos-methyl  
Benfluralin  
BHC, alpha-  
BHC, beta-  
BHC, delta  
BHC, gamma-(Lindane)  
Bifenthrin  
Biphenyl  
Bromfenvinphos  
Bromfenvinphos methyl  
Bromophos ethyl  
Bromophos methyl  
Bromopropylate  
Bupirimate  
Captafol  
Captan  
Carbophenothion  
Carfentrazone ethyl  
Chlorbenside  
Chlordane-(cis)  
Chlordane-(trans)  
Chlorfenapyr  
Chlorfenson  
Chlorfenvinphos  
Chlorobenzilate  
Chloroneb  
Chlorpropham  
Chlorpyrifos

Chlorpyrifos methyl  
Chlorthiophos  
Chlozolinate  
Clomazone  
Cycloate  
Cyfluthrin  
Cyhalothrin, lambda  
Cypermethrin  
Cyprodinil  
DCPA  
DDD, o,p-  
DDD, p,p-  
DDE, o,p-  
DDE, p,p-  
DDT, o,p-  
DDT, p,p-  
Deltamethrin  
Diallate  
Diazinon  
Dichlofluanid  
Dichloroaniline, 3,4-  
Dichlorobenzophenone, 4,4-  
Diclobenil  
Dicloran  
Dieldrin  
Dimethachlor  
Diphenamid  
Diphenylamine  
Disulfoton  
Edifenphos  
Endosulfan  
Endosulfan ether  
Endosulfan I  
Endosulfan II  
Endosulfan sulfate  
Endrin  
Endrin ketone  
EPN  
Esfenvalerate  
Ethalfuralin  
Ethion  
Ethylan (Perthane)  
Etofenprox

Etridazole  
Fenamiphos  
Fenarimol  
Fenchlorphos  
Fenitrothion  
Fenpropathrin  
Fenson  
Fenthion  
Fipronil  
Fluazifop-P-butyl  
Fluchloralin  
Flucythrinate  
Fludioxonil  
Fluquinconazole  
Fluridone  
Flusilazole  
Flutolanil  
Flutriafol  
Fluvalinate, tau  
Fonofos  
Heptachlor  
Heptachlor epoxide  
Hexachlorobenzene  
Hexazinon  
Iprodione  
Isazophos (Miral)  
Isodrin  
Isopropalin  
Lenacil  
Leptophos  
Linuron  
Malathion  
Metalaxyl  
Metazachlor  
Methacrifos  
Methoxychlor  
Metolachlor  
Mevinphos  
MGK 264  
Mirex  
Myclobutanil  
N-(2;4-Dimethylphenyl)formamide  
Nitalin



**Appendix A: <sup>1</sup>Pesticides by GC/MS/MS (Cont.)**

Nitrofen  
Nonachlor, cis-  
Nonachlor, trans-  
Norflurazon  
Oxadiazon  
Oxyfluorfen  
Paclobutrazol  
Parathion  
Parathion methyl  
Pebulate  
Penconazole  
Pendimethalin  
Pentachloroaniline  
Pentachloroanisole  
Pentachlorobenzene  
Pentachlorobenzonitrile  
Pentachlorothioanisole  
Permethrin  
Phenothrin  
Phorate  
Phosalone  
Phosmet  
Piperonyl butoxide  
Pirimiphos-ethyl  
Pirimiphos-methyl  
Pretilachlor  
Prochloraz  
Procymidone  
Prodiamine  
Profenofos  
Profluralin  
Propachlor  
Propanil  
Propargite  
Propiconazole  
Propisochlor  
Propyzamide  
Prothiofos  
Pyraclofos  
Pyrazophos  
Pyridaben

Pyridaphenthion  
Pyrimethanil  
Pyriproxyfen  
Quinalphos  
Quintozene  
Resmethrin  
Sulfotep  
Tebuconazole  
Tebufenpyrad  
Tecnazene  
Tefluthrin  
Terbacil  
Terbufos  
Terbutylazine  
Tetrachloroaniline, 2,3,5,6-  
Tetrachlorvinphos  
Tetradifon  
Tetrahydrophthalimide  
Tetramethrin  
Tolclofos-methyl  
Tolyfluanid  
Transfluthrin  
Triadimefon  
Triadimenol  
Triallate  
Triazophos  
Triflumazole  
Trifluralin  
Vinclozolin



**Appendix B: Pesticides by LC/MS**

Acephate  
Acetamiprid  
Acibenzolar-S-methyl  
Alanycarb  
Aldicarb  
Aldicarb sulfone  
Aldicarb sulfoxide  
Ametryn  
Aminocarb  
Amitraz  
Atrazine  
Azoxystrobin  
Benalaxyl  
Bendiocarb  
Benfuracarb  
Benzoximate  
Bifenazate  
Bitertanol  
Boscalid  
Bromuconazole  
Bupirimate  
Buprofezin  
Butafenacil  
Butocarboxim  
Butoxy-carboxim  
Carbaryl  
Carbetamide  
Carbofuran  
Carbofuran-3-hydroxy  
Carboxin  
Carfentrazone ethyl  
Chlorantraniliprole  
Chlorfenvinphos  
Chlorfluazuron  
Chlorotoluron  
Chloroxuron  
Chlorpyrifos  
Chlorpyrifos methyl  
Clethodim  
Clofentezine

Clothianidin  
Cyazofamid  
Cycluron  
Etoxazole  
Cyproconazole  
Cyprodinil  
Cyromazine  
Diazinon  
Dichlobutrazol  
Dichlorvos  
Dicrotophos  
Diethofencarb  
Difenoconazole  
Diflubenzuron  
Dimethoate  
Dimethomorph  
Dimoxystrobin  
Diniconazole  
Dinotefuran  
Dioxacarb  
Diphenylamine  
Diuron  
Emamectin benzoate  
Epoxiconazole  
Eprinomectin  
Etaconazole  
Ethiofencarb  
Ethion  
Ethiprole  
Ethirimol  
Etoxazole  
Fenamidon  
Fenarimol  
Fenazaquin  
Fenbuconazole  
Fenhexamid  
Fenobucarb  
Fenoxycarb  
Fenpropimorph  
Fenpyroximate  
Fenthion  
Fenuron  
Flonicamid  
Fluazinam

Flufenacet  
Flufenoxuron  
Fluometuron  
Fluoxastrobin  
Fluquinconazole  
Flusilazole  
Flutolanil  
Flutriafol  
Forchlorfenuron  
Formetanate  
Fuberidazole  
Furalaxyl  
Furathiocarb  
Halofenozide  
Hexaconazole  
Hexaflumuron  
Hexythiazox  
Imazalil  
Imidacloprid  
Indoxacarb  
Iodofenphos  
Ipconazole  
Iprodione  
Iprovalicarb  
Isocarbophos  
Isoprocab  
Isoproturon  
Kresoxim methyl  
Linuron  
Lufenuron  
Malathion  
Mandipropamid  
Mefenacet  
Mepanipyrim  
Mepronil  
Metaflumizone  
Metalaxyl  
Metconazole  
Methabenzthiazuron  
Methamidophos  
Methiocarb  
Methomyl  
Methoprotryne  
Methoxyfenozide



Metobromuron  
Metribuzin  
**Appendix B:**  
**2Pesticides by LC/MS**  
**(Cont.)**

Mevinphos  
Mexacarbate  
Monocrotophos  
Monolinuron  
Moxidectin  
Myclobutanil  
Neburon  
Novaluron  
Nuairimol  
Omethoate  
Oxadixyl  
Oxamyl  
Paclobutrazol  
Penconazole  
Pencycuron (Monceren)  
Pendimethalin  
Phosmet  
Picoxystrobin  
Piperonyl butoxide  
Pirimicarb  
Prochloraz  
Promecarb  
Propamocarb  
Propargite  
Propham  
Propiconazole  
Propoxur  
Pymetrozine  
Pyracarbolid  
Pyraclostrobin  
Pyridaben  
Pyrimethanil  
Pyriproxyfen  
Quinoxifen  
Rotenone  
Siduron  
Simetryn  
Spinetoram  
Spinetoram J

Spinetoram L  
Spinosad  
Spinosyn-A  
Spinosyn-D  
Spirodiclofen  
Spiromesifen  
Spirotetramat  
Spiroxamine  
Sulfentrazone  
Tebuconazole  
Tebufenozide  
Tebufenpyrad  
Tebuthiuron  
Teflubenzuron  
Temephos  
Tetraconazole  
Thiabendazole  
Thiacloprid  
Thiamethoxam  
Thidiazuron  
Thiobencarb  
Thiofanox  
Thiophanate methyl  
Triadimefon  
Triadimenol  
Triazophos  
Trichlorfon  
Trifloxystrobin  
Triflumazole  
Triflumuron  
Trifluralin  
Triticonazole  
Vamidotion  
Zoxamide



**Appendix C: <sup>3</sup>Pesticides by  
GC/MS/MS and LC/MS**

Atrazine  
Bupirimate  
Carfentrazone ethyl  
Chlorfenvinphos  
Chlorpyrifos  
Chlorpyrifos methyl  
Cyprodinil  
Diazinon  
Diphenylamine  
Ethion  
Fenarimol  
Fenthion  
Fluquinconazole  
Flusilazole  
Flutolanil  
Flutriafol  
Iprodione  
Linuron  
Malathion  
Metalaxyl  
Mevinphos  
Myclobutanil  
Paclobutrazol  
Penconazole  
Pendimethalin  
Phosmet  
Piperonyl butoxide  
Prochloraz  
Propargite  
Propiconazole  
Pyridaben  
Pyrimethanil  
Pyriproxyfen  
Tebuconazole  
Tebufenpyrad  
Triadimefon  
Triadimenol  
Triazophos  
Triflumazole





## Accredited Laboratory

A2LA has accredited

# THE CONNECTICUT AGRICULTURAL EXPERIMENT STATION, DEPARTMENT OF ANALYTICAL CHEMISTRY

*New Haven, CT*

for technical competence in the field of

## Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 12<sup>th</sup> day of April 2023.

A blue ink signature of Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 4133.01  
Valid to February 28, 2025

*For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.*