



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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CHEMICAL

Valid To: February 28, 2022

Certificate Number: 4796.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on raw food and feed materials:

<u>Test(s)</u>	<u>Test Method</u>
PCDD/F and Dioxin-Like PCBs	HRMS-HRGC, APGC-MS/MS
1234678-HpCDD	Modified EPA1613
1234678-HpCDF	Modified EPA1613
1234789-HpCDF	Modified EPA1613
123478-HxCDD	Modified EPA1613
123478-HxCDF	Modified EPA1613
123678-HxCDD	Modified EPA1613
123678-HxCDF	Modified EPA1613
123789-HxCDD	Modified EPA1613
123789-HxCDF	Modified EPA1613
12378-PeCDD	Modified EPA1613
12378-PeCDF	Modified EPA1613
234678-HxCDF	Modified EPA1613
23478-PeCDF	Modified EPA1613
2378-TCDD	Modified EPA1613
2378-TCDF	Modified EPA1613
OCDD	Modified EPA1613
OCDF	Modified EPA1613
PCB-105 233'44'-PeCB	Modified EPA1668

<u>Test(s)</u>	<u>Test Method</u>
PCB-114 2344'5-PeCB	Modified EPA1668
PCB-118 23'44'5-PeCB	Modified EPA1668
PCB-123 2'344'5-PeCB	Modified EPA1668
PCB-126 33'44'5-PeCB	Modified EPA1668
PCB-156 233'44'5-HxCB	Modified EPA1668
PCB-157 233'44'5'-HxCB	Modified EPA1668
PCB-167 23'44'55'-HxCB	Modified EPA1668
PCB-189 233'44'55'-HpCB	Modified EPA1668
PCB-77 33'44'-TeCB	Modified EPA1668
PCB-81 344'5-TeCB	Modified EPA1668
Non Dioxin-like PCBs (ICES-6)	GC-MS/MS
PCB-101 2,2',4,5,5'-PeCB	Modified EPA1668
PCB-138 2,2',3,4,4',5'-HxCB	Modified EPA1668
PCB-153 2,2',4,4',5,5'-HxCB	Modified EPA1668
PCB-180 2,2',3,4,4',5,5'-HpCB	Modified EPA1668
PCB-28 2,4,4'-TrCB	Modified EPA1668
PCB-52 2,2',5,5'-TeCB	Modified EPA1668
Moisture	Karl Fischer
Moisture and Volatiles	Moisture Balance Air Oven (AOCS Ca2c-25)
Pesticides	LC-MS/MS
Acephate	Modified LC QuEChERS (AOAC 2007.01)
Acetamiprid	Modified LC QuEChERS (AOAC 2007.01)
Acetochlor	Modified LC QuEChERS (AOAC 2007.01)
Acibenzolar-S-methyl	Modified LC QuEChERS (AOAC 2007.01)
Aldicarb	Modified LC QuEChERS (AOAC 2007.01)
Aldicarb sulfone	Modified LC QuEChERS (AOAC 2007.01)
Aldicarb sulfoxide	Modified LC QuEChERS (AOAC 2007.01)
Ametryn	Modified LC QuEChERS (AOAC 2007.01)
Aminocarb	Modified LC QuEChERS (AOAC 2007.01)
Amitraz	Modified LC QuEChERS (AOAC 2007.01)
Azinophos-methyl	Modified LC QuEChERS (AOAC 2007.01)
Azoxystrobin	Modified LC QuEChERS (AOAC 2007.01)
Benalaxyl	Modified LC QuEChERS (AOAC 2007.01)

<u>Test(s)</u>	<u>Test Method</u>
Bendiocarb	Modified LC QuEChERS (AOAC 2007.01)
Benthiocarb	Modified LC QuEChERS (AOAC 2007.01)
Benzoximate	Modified LC QuEChERS (AOAC 2007.01)
Bifenazate	Modified LC QuEChERS (AOAC 2007.01)
Bitertanol	Modified LC QuEChERS (AOAC 2007.01)
Boscalid	Modified LC QuEChERS (AOAC 2007.01)
Bromuconazole	Modified LC QuEChERS (AOAC 2007.01)
Bupirimate	Modified LC QuEChERS (AOAC 2007.01)
Buprofezin	Modified LC QuEChERS (AOAC 2007.01)
Butafenacil	Modified LC QuEChERS (AOAC 2007.01)
Butocarboxim	Modified LC QuEChERS (AOAC 2007.01)
Butoxycarboxim	Modified LC QuEChERS (AOAC 2007.01)
Carbaryl	Modified LC QuEChERS (AOAC 2007.01)
Carbendazim	Modified LC QuEChERS (AOAC 2007.01)
Carbetamide	Modified LC QuEChERS (AOAC 2007.01)
Carbofuran	Modified LC QuEChERS (AOAC 2007.01)
Carbofuran-3-hydroxy	Modified LC QuEChERS (AOAC 2007.01)
Carboxin	Modified LC QuEChERS (AOAC 2007.01)
Carfentrazone-ethyl	Modified LC QuEChERS (AOAC 2007.01)
Chlorantraniliprole	Modified LC QuEChERS (AOAC 2007.01)
Chlorfenvinphos	Modified LC QuEChERS (AOAC 2007.01)
Chlorpyrifos	Modified LC QuEChERS (AOAC 2007.01)
Chlorpyrifos-methyl	Modified LC QuEChERS (AOAC 2007.01)
Chloroxuron	Modified LC QuEChERS (AOAC 2007.01)
Chlortoluron	Modified LC QuEChERS (AOAC 2007.01)
Clethodim	Modified LC QuEChERS (AOAC 2007.01)
Clothianidin	Modified LC QuEChERS (AOAC 2007.01)
Cyazofamid	Modified LC QuEChERS (AOAC 2007.01)
Cycluron	Modified LC QuEChERS (AOAC 2007.01)
Cyproconazole	Modified LC QuEChERS (AOAC 2007.01)
Cyprodinil	Modified LC QuEChERS (AOAC 2007.01)
Cyromazine	Modified LC QuEChERS (AOAC 2007.01)
Desmedipham	Modified LC QuEChERS (AOAC 2007.01)
Diazinon	Modified LC QuEChERS (AOAC 2007.01)

<u>Test(s)</u>	<u>Test Method</u>
Dichlorvos	Modified LC QuEChERS (AOAC 2007.01)
Diclobutrazol	Modified LC QuEChERS (AOAC 2007.01)
Diclotophos	Modified LC QuEChERS (AOAC 2007.01)
Diethofencarb	Modified LC QuEChERS (AOAC 2007.01)
Difenoconazole	Modified LC QuEChERS (AOAC 2007.01)
Diffubenzuron	Modified LC QuEChERS (AOAC 2007.01)
Dimethoate	Modified LC QuEChERS (AOAC 2007.01)
Dimethomorph	Modified LC QuEChERS (AOAC 2007.01)
Dimoxystrobin	Modified LC QuEChERS (AOAC 2007.01)
Diniconazole	Modified LC QuEChERS (AOAC 2007.01)
Dinotefuran	Modified LC QuEChERS (AOAC 2007.01)
Dioxacarb	Modified LC QuEChERS (AOAC 2007.01)
Diuron	Modified LC QuEChERS (AOAC 2007.01)
Epoxiconazole	Modified LC QuEChERS (AOAC 2007.01)
Etaconazole	Modified LC QuEChERS (AOAC 2007.01)
Ethiofencarb	Modified LC QuEChERS (AOAC 2007.01)
Ethiprole	Modified LC QuEChERS (AOAC 2007.01)
Ethirimol	Modified LC QuEChERS (AOAC 2007.01)
Ethofumesate	Modified LC QuEChERS (AOAC 2007.01)
Etoxazole	Modified LC QuEChERS (AOAC 2007.01)
Fenamidone	Modified LC QuEChERS (AOAC 2007.01)
Fenarimol	Modified LC QuEChERS (AOAC 2007.01)
Fenazaquin	Modified LC QuEChERS (AOAC 2007.01)
Fenbuconazole	Modified LC QuEChERS (AOAC 2007.01)
Fenhexamid	Modified LC QuEChERS (AOAC 2007.01)
Fenobucarb	Modified LC QuEChERS (AOAC 2007.01)
Fenoxycarb	Modified LC QuEChERS (AOAC 2007.01)
Fenpropimorph	Modified LC QuEChERS (AOAC 2007.01)
Fenuron	Modified LC QuEChERS (AOAC 2007.01)
Flufenacet	Modified LC QuEChERS (AOAC 2007.01)
Fluometuron	Modified LC QuEChERS (AOAC 2007.01)
Fluoxastrobin	Modified LC QuEChERS (AOAC 2007.01)
Fluquinconazole	Modified LC QuEChERS (AOAC 2007.01)
Flusilazole	Modified LC QuEChERS (AOAC 2007.01)

<u>Test(s)</u>	<u>Test Method</u>
Flutolanil	Modified LC QuEChERS (AOAC 2007.01)
Flutriafol	Modified LC QuEChERS (AOAC 2007.01)
Forchlorfenuron	Modified LC QuEChERS (AOAC 2007.01)
Fuberidazole	Modified LC QuEChERS (AOAC 2007.01)
Furalaxyl	Modified LC QuEChERS (AOAC 2007.01)
Furathiocarb	Modified LC QuEChERS (AOAC 2007.01)
Halofenozide	Modified LC QuEChERS (AOAC 2007.01)
Hexaconazole	Modified LC QuEChERS (AOAC 2007.01)
Hydramethylnon	Modified LC QuEChERS (AOAC 2007.01)
Imazalil	Modified LC QuEChERS (AOAC 2007.01)
Imidacloprid	Modified LC QuEChERS (AOAC 2007.01)
Indoxacarb	Modified LC QuEChERS (AOAC 2007.01)
Ipconazole	Modified LC QuEChERS (AOAC 2007.01)
Iprovalicarb	Modified LC QuEChERS (AOAC 2007.01)
Isocarbofos	Modified LC QuEChERS (AOAC 2007.01)
Isoproc carb	Modified LC QuEChERS (AOAC 2007.01)
Isoproturon	Modified LC QuEChERS (AOAC 2007.01)
Kresoxim-methyl	Modified LC QuEChERS (AOAC 2007.01)
Linuron	Modified LC QuEChERS (AOAC 2007.01)
Malathion	Modified LC QuEChERS (AOAC 2007.01)
Mandipropamid	Modified LC QuEChERS (AOAC 2007.01)
Mefenacet	Modified LC QuEChERS (AOAC 2007.01)
Mepanipyrim	Modified LC QuEChERS (AOAC 2007.01)
Mepronil	Modified LC QuEChERS (AOAC 2007.01)
Mesotrione	Modified LC QuEChERS (AOAC 2007.01)
Metalaxyl	Modified LC QuEChERS (AOAC 2007.01)
Metconazole	Modified LC QuEChERS (AOAC 2007.01)
Methabenzthiazuron	Modified LC QuEChERS (AOAC 2007.01)
Methamidophos	Modified LC QuEChERS (AOAC 2007.01)
Methidathion	Modified LC QuEChERS (AOAC 2007.01)
Methiocarb	Modified LC QuEChERS (AOAC 2007.01)
Methomyl	Modified LC QuEChERS (AOAC 2007.01)
Methoprotryne	Modified LC QuEChERS (AOAC 2007.01)
Methoxyfenozide	Modified LC QuEChERS (AOAC 2007.01)

<u>Test(s)</u>	<u>Test Method</u>
Metobromuron	Modified LC QuEChERS (AOAC 2007.01)
Metribuzin	Modified LC QuEChERS (AOAC 2007.01)
Mevinphos	Modified LC QuEChERS (AOAC 2007.01)
Mexacarbate	Modified LC QuEChERS (AOAC 2007.01)
Monocrotophos	Modified LC QuEChERS (AOAC 2007.01)
Monolinuron	Modified LC QuEChERS (AOAC 2007.01)
Myclobutanil	Modified LC QuEChERS (AOAC 2007.01)
Neburon	Modified LC QuEChERS (AOAC 2007.01)
Nitenpyram	Modified LC QuEChERS (AOAC 2007.01)
Nuarimol	Modified LC QuEChERS (AOAC 2007.01)
Omethoate	Modified LC QuEChERS (AOAC 2007.01)
Oxadixyl	Modified LC QuEChERS (AOAC 2007.01)
Oxamyl	Modified LC QuEChERS (AOAC 2007.01)
Paclobutrazol	Modified LC QuEChERS (AOAC 2007.01)
Penconazole	Modified LC QuEChERS (AOAC 2007.01)
Pencycuron	Modified LC QuEChERS (AOAC 2007.01)
Phenmedipham	Modified LC QuEChERS (AOAC 2007.01)
Picoxystrobin	Modified LC QuEChERS (AOAC 2007.01)
Piperonyl butoxide	Modified LC QuEChERS (AOAC 2007.01)
Pirimicarb	Modified LC QuEChERS (AOAC 2007.01)
Primiphos-methyl	Modified LC QuEChERS (AOAC 2007.01)
Prochloraz	Modified LC QuEChERS (AOAC 2007.01)
Promecarb	Modified LC QuEChERS (AOAC 2007.01)
Prometon	Modified LC QuEChERS (AOAC 2007.01)
Prometryn	Modified LC QuEChERS (AOAC 2007.01)
Propamocarb	Modified LC QuEChERS (AOAC 2007.01)
Propargite	Modified LC QuEChERS (AOAC 2007.01)
Propham	Modified LC QuEChERS (AOAC 2007.01)
Propiconazole	Modified LC QuEChERS (AOAC 2007.01)
Propoxur	Modified LC QuEChERS (AOAC 2007.01)
Propyzamine	Modified LC QuEChERS (AOAC 2007.01)
Prothioconazole	Modified LC QuEChERS (AOAC 2007.01)
Pymetrozine	Modified LC QuEChERS (AOAC 2007.01)
Pyracarbolid	Modified LC QuEChERS (AOAC 2007.01)

<u>Test(s)</u>	<u>Test Method</u>
Pyraclostrobin	Modified LC QuEChERS (AOAC 2007.01)
Pyridaben	Modified LC QuEChERS (AOAC 2007.01)
Pyrimethanil	Modified LC QuEChERS (AOAC 2007.01)
Pyriproxyfen	Modified LC QuEChERS (AOAC 2007.01)
Quinoxifen	Modified LC QuEChERS (AOAC 2007.01)
Rotenone	Modified LC QuEChERS (AOAC 2007.01)
Secbumeton	Modified LC QuEChERS (AOAC 2007.01)
Siduron	Modified LC QuEChERS (AOAC 2007.01)
Simetryn	Modified LC QuEChERS (AOAC 2007.01)
Spinetoram	Modified LC QuEChERS (AOAC 2007.01)
Spinosad A	Modified LC QuEChERS (AOAC 2007.01)
Spirodiclofen	Modified LC QuEChERS (AOAC 2007.01)
Spiromesifen	Modified LC QuEChERS (AOAC 2007.01)
Spirotetramat	Modified LC QuEChERS (AOAC 2007.01)
Spiroxamine	Modified LC QuEChERS (AOAC 2007.01)
Sulfentrazone	Modified LC QuEChERS (AOAC 2007.01)
Tebuconazole	Modified LC QuEChERS (AOAC 2007.01)
Tebufenozide	Modified LC QuEChERS (AOAC 2007.01)
Tebufenpyrad	Modified LC QuEChERS (AOAC 2007.01)
Tebuthiuron	Modified LC QuEChERS (AOAC 2007.01)
Temephos	Modified LC QuEChERS (AOAC 2007.01)
Terbumeton	Modified LC QuEChERS (AOAC 2007.01)
Terbutryn	Modified LC QuEChERS (AOAC 2007.01)
Tetraconazole	Modified LC QuEChERS (AOAC 2007.01)
Thiacloprid	Modified LC QuEChERS (AOAC 2007.01)
Thiamethoxam	Modified LC QuEChERS (AOAC 2007.01)
Thidiazuron	Modified LC QuEChERS (AOAC 2007.01)
Thiofanox	Modified LC QuEChERS (AOAC 2007.01)
Thiophanate-methyl	Modified LC QuEChERS (AOAC 2007.01)
Triadimefon	Modified LC QuEChERS (AOAC 2007.01)
Triadimenol	Modified LC QuEChERS (AOAC 2007.01)
Trichlorfon	Modified LC QuEChERS (AOAC 2007.01)
Tricyclazole	Modified LC QuEChERS (AOAC 2007.01)
Trifloxystrobin	Modified LC QuEChERS (AOAC 2007.01)

<u>Test(s)</u>	<u>Test Method</u>
Triflumizole	Modified LC QuEChERS (AOAC 2007.01)
Triticonazole	Modified LC QuEChERS (AOAC 2007.01)
Vamidothion	Modified LC QuEChERS (AOAC 2007.01)
Zoxamide	Modified LC QuEChERS (AOAC 2007.01)
Antibiotics	LC-MS/MS
Chloramphenicol	Modified QuEChERS (AOAC 2007.01)
Dapsone	Modified QuEChERS (AOAC 2007.01)
Dimetridazole	Modified QuEChERS (AOAC 2007.01)
Lincomycin	Modified QuEChERS (AOAC 2007.01)
Metronidazole	Modified QuEChERS (AOAC 2007.01)
Monensin	Modified QuEChERS (AOAC 2007.01)
Ronidazole	Modified QuEChERS (AOAC 2007.01)
Sulfadiazine	Modified QuEChERS (AOAC 2007.01)
Trimethoprim	Modified QuEChERS (AOAC 2007.01)
Virginiamycin S1	Modified QuEChERS (AOAC 2007.01)



Accredited Laboratory

A2LA has accredited

CALTAX (KEMIN INDUSTRIES)

Des Moines, IA

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 12th day of December 2019.

A blue ink signature, likely of the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4796.01
Valid to February 28, 2022

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