



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MICHELSON LABORATORIES, INC.
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CHEMICAL

Valid To: May 31, 2025

Certificate Number: 2074.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the A2LA Food Testing Program Requirements, containing the 2018 “*AOAC International Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Foods, Dietary Supplements, and Pharmaceuticals*” as well as the FDA Laboratory Accreditation for Analyses of Foods, contained in the FDA Document Number 2021-25716¹), accreditation is granted to this laboratory to perform the following tests on: foods, food products, beverages, feeds, environmental samples, dietary supplements, and pet foods. Additionally, accreditation is granted to this laboratory to perform testing in support of the “*Consumer Product Safety Improvement Act of 2008*” (CPSIA) on: paint chips and children-associated substrates.

<u>TEST</u>	<u>INTERNAL METHOD</u>	<u>TEST METHOD(S)</u>
<u>Chemistry Analysis</u>		
Allergen – Gluten ¹	ML-CHEM-53	AOAC RI 061201, AOAC 2012.01
Ascorbic Acid (Vitamin C) in Food ¹	ML-CHEM-14	AOAC 967.21 (Modified)
Ash ¹	ML-CHEM-16	AACC 08-03; AOAC 923.03
Calories (Calculation) ¹	ML-CHEM-01	USDA Nutritional Analysis Methods, 1996 Appendix B, A1/FDA CFR Title 21
Carbohydrates (Calculation) ¹	ML-CHEM-02	USDA Nutritional Analysis Methods, 1996 Appendix B/FDA CFR Title 21
Fat, Acid Hydrolysis ¹	ML-CHEM-04	AOAC 922.06 (Modified), 948.15 (Modified)
Fat, Soxhlet ¹	ML-CHEM-05	AOAC 920.39 (Modified), 960.39 (Modified)
Fiber, Total Dietary ¹	ML-CHEM-03	AACC 32-07 (Modified); AOAC 991.43 (Modified)
Moisture, Oven 101°C ¹	ML-CHEM-06	AACC 44-15A; AOAC 950.46 (Modified);

<u>TEST</u>	<u>INTERNAL METHOD</u>	<u>TEST METHOD(S)</u>
Moisture, Oven 135°C ¹	ML-CHEM-06	AACC 44-19; AOAC 950.46 (Modified)
Peroxide Value ¹	ML-CHEM-44	AOCS Cd 8b-90
pH ¹	ML-CHEM-07	AOAC 981.12
Protein, LECO ¹	ML-CHEM-23	AOAC: 992.15, 992.23
Salt (NaCl) ¹	ML-CHEM-11	AOAC: 935.47, 937.09, 941.18; USDA FSIS 1993, SLT 3 (Modified)
Sulfite in Food ¹	ML-CHEM-13	AOAC 990.28 (Modified) Optimized Monier – Williams Method
Water Activity ¹	ML-MIC-77	AquaLab TEV; AOAC 978.18
<u>Instrumentation Analysis</u>		
Benzoic Acid / Sorbic Acid Screen ¹	ML-INS-14	AOAC 983.16
Carbamate Screen ¹	ML-INS-04	CDFA 1991, Luke
Chloramphenicol in Seafood ¹	ML-INS-64	US FDA LIB 4597 (Modified)
Cholesterol ¹	ML-INS-24	AOAC 994.10 (Modified)
Colors, Artificial ¹	ML-INS-25	AOAC 988.13; JAOAC 46: No 6, pgs 1022-1029 (1963)
Fatty Acid Profile ¹	ML-INS-01	AOAC 996.06 (Modified)
Fluoroquinolones ¹	ML-INS-56	US FDA LIB No. 4562
Gentian Violet / Leuco Gentian Violet and Malachite Green / Leuco Malachite Green ¹	ML-INS-63	AOAC 2012.25
Histamine ¹	ML-INS-03	AOAC 977.13 (Modified)
Mebendazole ¹	ML-INS-50	US FDA LIB 4562
Melamine and Cyanuric Acid ¹	ML-INS-36	US FDA LIB No. 4421
Methyl Mercury ¹	ML-INS-05	AOAC 988.11 (Modified)
Nitrofurans Metabolites ¹	ML-INS-35	US FDA LIB No. 4448, 4597 (Modified)

<u>TEST</u>	<u>INTERNAL METHOD</u>	<u>TEST METHOD(S)</u>
Organo Halide Screen ¹	ML-INS-04	CDFA 1991 Pub. or Luke
Organo Phosphate Screen ¹	ML-INS-04	CDFA 1991 Pub. or Luke
Pesticides – QuEChERS ^{1,3}	ML-INS-44	AOAC 2007.01; LIB 4464; LIB 4465; QuEChERS
Sulfonamides ¹	ML-INS-50	US FDA LIB No. 4562
Sugar Profile ¹	ML-INS-17	AOAC: 977.20 (Modified), 982.14 (Modified)
Vitamin A ¹	ML-INS-15	AOAC 974.29 (Modified)
Vitamin D ¹	ML-INS-54	AOAC 2012.11 (Modified)
Metals Analysis by ICP (As, Ca, Cd, Fe, K, Na, Pb) ¹	ML-MET-05	AOAC 984.27 (Modified), 990.08 (Modified)
Metals Analysis by ICP/MS (As, Cd, Hg, Pb) ¹	ML-MET-12	AOAC 993.14 (Modified)

Field Sampling

<u>SAMPLING</u>	<u>TEST METHOD</u>
FDA Detained Products ¹	ORA Laboratory Manual Section 7.2
Frozen Meat Products ¹	MICA Guidelines, March 15, 2012



Consumer Product Safety Commission²
Code of Federal Regulations, Title 16, Part 1303

<u>TEST</u>	<u>TEST METHOD(S)</u>
Lead (Pb) in Paint	16 CFR 1303 (using CPSC-CH-E1003-09.1 and ASTM: E1645, E1613) (Modified)
Total Lead (Pb) in Non-Metal Children's Products	CPSC-CH-E1002-08.1 (Modified); EPA 3051A (Modified)

¹These methods have been assessed by A2LA according to A2LA's FDA LAAF Program requirements. Please visit <https://datadashboard.fda.gov/ora/fd/laaf.htm> for a list of current LAAF-Accredited Laboratories.

²The Consumer Product Safety Improvement Act (CPSIA) requires that every children's product subject to a federal consumer product safety requirement be tested by a Consumer Product Safety Commission (CPSC) accepted laboratory for compliance with the applicable federal children's product safety requirements. Accreditation by A2LA does not infer acceptance by the CPSC. Please verify this organization's acceptance status by using the CPSC's searchable database, located at <https://www.cpsc.gov/cgi-bin/labsearch/>.

Pesticides³

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|--------------------------|--------------------|-------------------------|
| 1. (Monceren) Pencycuron | 22. Amitraz | 43. Butafenacil |
| 2. 2,3,6-TBA | 23. Avermectin B1a | 44. Butafenacil |
| 3. 2,4,5-T | 24. Avermectin B1b | 45. Butocarboxim |
| 4. 2,4,5-TB | 25. Azoxystrobin | 46. Butocarboxim |
| 5. 2,4,5-TBA | 26. BDMC | 47. Butoxycarboxim |
| 6. 2,4-D | 27. Benalaxyl | 48. Carbaryl |
| 7. 2,4-DB | 28. Bendiocarb | 49. Carbendazim |
| 8. 3-Hydroxycarbofuran | 29. Benfuracarb | 50. Carbetamide |
| 9. 4-CPA | 30. Bentazon | 51. Carbofuran |
| 10. Acephate | 31. Benzoximate | 52. Carboxin |
| 11. Acetamiprid | 32. Benzoximate | 53. Carfentrazone-ethyl |
| 12. Acibenzolar-S-methyl | 33. Bifenazate | 54. Chlopropham |
| 13. Acifluorfen | 34. Bifenazate | 55. Chloramben |
| 14. Alanycarb | 35. Bitertanol | 56. Chlorantraniliprole |
| 15. Aldicarb | 36. Boscalid | 57. Chlorfluazuron |
| 16. Aldicarb sulfone | 37. Bromoxynil | 58. Chlorotoluron |
| 17. Aldicarb sulfoxide | 38. Bromucanazole | 59. Chloroxuron |
| 18. Ametryn | 39. BromuconazoleA | 60. Chlorpyrifos |
| 19. Aminocarb | 40. BromuconazoleB | 61. Chlorpyrifosmethyl |
| 20. Aminocyclopyrachlor | 41. Bupirimate | 62. Clethodim |
| 21. Aminopyralid | 42. Buprofezin | 63. Clofentezine |

64. Clopyralid	115. Fenpropimorph	166. Malathion
65. Clothianidin	116. Fenpyroximate	167. Mandipropamid
66. Cyazofamid	117. Fenuron	168. MCPA
67. Cycluron	118. Fipronil	169. MCPB
68. Cyflufenazmid	119. Flonicamid	170. Mecoprop
69. Cymoxanil	120. Fluazinam	171. Mefenacet
70. Cyproconazole	121. Flubendiamide	172. Mepanipyrim
71. Cyprodinil	122. Fludioxinil	173. Mepronil
72. Cyromazine	123. Flufenacet	174. Mesotrione
73. Dalapon	124. Flufenoxuron	175. Metaflumizone
74. Desmedipham	125. Fluometuron	176. Metalaxyl
75. Desmedipham	126. Fluoroxypyr	177. Metconazole
76. Dicamba	127. Fluoxastrobin	178. Methabenzthiazuron
77. Dichlorprop	128. Fluquinconazole	179. Methamidophos
78. Diclobutrazol	129. Flusilazole	180. Methiocarb
79. Diclofop	130. Flutolanil	181. Methomyl
80. Dicrotophos	131. Flutolanil	182. Methoprotryne
81. Diethofencarb	132. Flutriafol	183. Methoxyfenozide
82. Difenconazole	133. Forchlorfenuron	184. Methyl Parathion
83. Diflubenzuron	134. Formetanate HCl	185. Metobromuron
84. Diflufenzopyr	135. Fosthiazate	186. Metribuzin
85. Dimethoate	136. Fuberidazole	187. Mevenphos-E
86. Dimethomorph	137. Furalaxyl	188. Mevenphos-Z
87. Dimoxystrobin	138. Furathiocarb	189. Mevinphos
88. Diniconazole	139. Halofenozide	190. Mexacarbate
89. Dinotefuran	140. Haloxypop	191. Monocrotophos
90. Dioxacarb	141. Haloxypop	192. Monolinuron
91. Diphenylamine	142. Hexaconazole	193. Moxidectin
92. Diuron	143. Hexaflumuron	194. Myclobutanil
93. Doramectin	144. Hexythiazox	195. Neburon
94. Emamectin	145. Hydramethylnon	196. Nicotine
95. Emamectin-benzoate b1a	146. Imazalil	197. Nitenpyram
96. Emamectin-benzoate b1b	147. Imazamethabenz	198. Novaluron
97. Epoxiconazole	148. Imazamox	199. Nuarimol
98. Eprinomectin	149. Imazapic	200. Omethoate
99. Etaconazole	150. Imazapyr	201. Oxadixyl
100. Ethaboxam	151. Imazaquin	202. Oxamyl
101. Ethiofencarb	152. Imazethapyr	203. Paclobutrazol
102. Ethion	153. Imidacloprid	204. PCP
103. Ethiprole	154. Indoxacarb	205. Phenmedipham
104. Ethirimol	155. Ipconazole	206. PhorateSulfone
105. Ethofumesate	156. Iprodione	207. Phoxim
106. Etoxazole	157. Iprovalicarb	208. Picloram
107. Famoxadone	158. Isocarbophos	209. Picoxystrobin
108. Famoxadone	159. Isoprocab	210. Piperonyl butoxide
109. Fenamidone	160. Isoprothiolane	211. PiperonylButox
110. Fenarimol	161. Isoproturon	212. Pirimicarb
111. Fenbuconazole	162. Isoxaflutole	213. Pirimicarb
112. Fenhexamid	163. Kresoxim-methyl	214. Pirimiphos Methyl
113. Fenobucarb	164. Linuron	215. Prochloraz
114. Fenoxycarb	165. Lufenuron	216. Promecarb

217. Prometon	268. Triadimenol
218. Prometryne	269. Trichlorfon
219. Propamocarb	270. Triclopyr
220. Propargite	271. Tricyclazole
221. Propargite	272. Trifloxystrobin
222. Propham	273. Triflumizole
223. Propiconazole	274. Triflumuron
224. Propoxur	275. Triticonazole
225. Prothioconazole	276. Vamidothion
226. Pymetrozine	277. Zoxamide
227. Pyracarbolid	
228. Pyraclostrobin	
229. Pyridaben	
230. Pyrimethanil	
231. Pyriproxyfen	
232. Quinclorac	
233. Quinoxifen	
234. Quizalofop	
235. Rotenone	
236. Secbumeton	
237. Siduron	
238. Silvex	
239. Simetryn	
240. Spinetoram	
241. SpinetoramB	
242. Spinosad (Spinosyn A)	
243. Spinosad (Spinosyn D)	
244. Spirodiclofen	
245. Spiromesifen	
246. Spiromesifen	
247. Spirotetramat	
248. Spiroxamine	
249. Sulfentrazone	
250. Tebuconazole	
251. Tebufenozide	
252. Tebufenpyrad	
253. Tebuthiuron	
254. Teflubenzuron	
255. Temephos	
256. Terbumeton	
257. Terbutryn	
258. Tetraconazole	
259. Thiabendazole	
260. Thiacloprid	
261. Thiamethoxam	
262. Thidiazuron	
263. Thiobencarb	
264. Thiodicarb	
265. Thiofanox	
266. Thiophanate-methyl	
267. Triadimefon	



Accredited Laboratory

A2LA has accredited

MICHELSON LABORATORIES, INC.

Commerce, CA

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 laboratory also meets the requirements of A2LA R204 – *Specific Requirements – Food and Pharmaceutical Testing Laboratory Accreditation Program*, as well as all of the requirements of A2LA R258 – *Specific Requirements – FDA Laboratory Accreditation for Analyses of Foods (LAAF) Accreditation Program*. 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 30th day of May 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2074.01
Valid to May 31, 2025

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