



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 2021-25716<sup>1</sup>), 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>
<b><u>Chemistry Analysis</u></b>		
Allergen – Gluten	ML-CHEM-53	AOAC RI 061201, AOAC 2012.01
Ascorbic Acid (Vitamin C) in Food	ML-CHEM-14	AOAC 967.21 (Modified)
Ash	ML-CHEM-16	AACC 08-03; AOAC 923.03
Calories (Calculation)	ML-CHEM-01	USDA Nutritional Analysis Methods, 1996 Appendix B, A1/FDA CFR Title 21
Carbohydrates (Calculation)	ML-CHEM-02	USDA Nutritional Analysis Methods, 1996 Appendix B/FDA CFR Title 21
Fat, Acid Hydrolysis	ML-CHEM-04	AOAC 922.06 (Modified), 948.15 (Modified)
Fat, Soxhlet	ML-CHEM-05	AOAC 920.39 (Modified), 960.39 (Modified)
Fiber, Total Dietary	ML-CHEM-03	AACC 32-07 (Modified); AOAC 991.43 (Modified)

<u>TEST</u>	<u>INTERNAL METHOD</u>	<u>TEST METHOD(S)</u>
Moisture, Oven 101°C	ML-CHEM-06	AACC 44-15A; AOAC 950.46 (Modified); AOCS
Moisture, Oven 135°C	ML-CHEM-06	AACC 44-19; AOAC 950.46 (Modified)
Peroxide Value	ML-CHEM-44	AOCS Cd 8b-90
pH	ML-CHEM-07	AOAC 981.12
Protein, LECO	ML-CHEM-23	AOAC: 992.15, 992.23
Salt (NaCl)	ML-CHEM-11	AOAC: 935.47, 937.09, 941.18; USDA FSIS 1993, SLT 3 (Modified)
Sulfite in Food	ML-CHEM-13	AOAC 990.28 (Modified) Optimized Monier – Williams Method
Water Activity	ML-MIC-77	AquaLab TEV; AOAC 978.18
<b><u>Instrumentation Analysis</u></b>		
Benzoic Acid / Sorbic Acid Screen	ML-INS-14	AOAC 983.16
Carbamate Screen	ML-INS-04	CDFR 1991, Luke
Chloramphenicol in Seafood	ML-INS-64	US FDA LIB 4597 (Modified)
Cholesterol	ML-INS-24	AOAC 994.10 (Modified)
Colors, Artificial	ML-INS-25	AOAC 988.13; JAOAC 46: No 6, pgs 1022-1029 (1963)
Fatty Acid Profile	ML-INS-01	AOAC 996.06 (Modified)
Fluoroquinolones	ML-INS-56	US FDA LIB No. 4562
Gentian Violet / Leuco Gentian Violet and Malachite Green / Leuco Malachite Green	ML-INS-63	AOAC 2012.25
Histamine	ML-INS-03	AOAC 977.13 (Modified)
Mebendazole	ML-INS-50	US FDA LIB 4562
Melamine and Cyanuric Acid	ML-INS-36	US FDA LIB No. 4421



<u>TEST</u>	<u>INTERNAL METHOD</u>	<u>TEST METHOD(S)</u>
Methyl Mercury	ML-INS-05	AOAC 988.11 (Modified)
Nitrofurans Metabolites	ML-INS-35	US FDA LIB No. 4448, 4597 (Modified)
Organo Halide Screen	ML-INS-04	CDFA 1991 Pub. or Luke
Organo Phosphate Screen	ML-INS-04	CDFA 1991 Pub. or Luke
Pesticides – QuEChERS <sup>3</sup>	ML-INS-44	AOAC 2007.01; LIB 4464; LIB 4465; QuEChERS
Sulfonamides	ML-INS-50	US FDA LIB No. 4562
Sugar Profile	ML-INS-17	AOAC: 977.20 (Modified), 982.14 (Modified)
Vitamin A	ML-INS-15	AOAC 974.29 (Modified)
Vitamin D	ML-INS-54	AOAC 2012.11 (Modified)
Metals Analysis by ICP (As, Ca, Cd, Fe, K, Na, Pb)	ML-MET-05	AOAC 984.27 (Modified), 990.08 (Modified)
Metals Analysis by ICP/MS (As, Cd, Hg, Pb)	ML-MET-12	AOAC 993.14 (Modified)

### Field Sampling

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



**Consumer Product Safety Commission<sup>1</sup>**  
**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)

<sup>1</sup>These 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.

<sup>2</sup>The 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/>.

Pesticides<sup>3</sup>

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



- |                            |                      |                         |
|----------------------------|----------------------|-------------------------|
| 61. Chlorpyrifosmethyl     | 112. Fenhexamid      | 163. Kresoxim-methyl    |
| 62. Clethodim              | 113. Fenobucarb      | 164. Linuron            |
| 63. Clofentezine           | 114. Fenoxycarb      | 165. Lufenuron          |
| 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. Haloxyfop       | 191. Monocrotophos      |
| 90. Dioxacarb              | 141. Haloxyfop       | 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         |



214. Pirimiphos Methyl  
215. Prochloraz  
216. Promecarb  
217. Prometon  
218. Prometryne  
219. Propamocarb  
220. Propargite  
221. Propargite  
222. Propham  
223. Propiconazole  
224. Propoxur  
225. Prothioconazole  
226. Pymetrozine  
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  
268. Triadimenol  
269. Trichlorfon  
270. Triclopyr  
271. Tricyclazole  
272. Trifloxystrobin  
273. Triflumizole  
274. Triflumuron  
275. Triticonazole  
276. Vamidothion  
277. Zoxamide



# 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 30<sup>th</sup> day of May 2023.

A blue ink signature of 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.*