

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2021-5912  
**Application:** Submissions Subject to Protection of Proprietary Interests in Pesticide Data Policy/ Data Compensation Assessment  
**Product:** Albaugh Mefenoxam Technical  
**Registration Number:** 34869  
**Active ingredient (a.i.):** Metalaxyl-M and S-isomer  
**PMRA Document Number :** 3444110

### Purpose of Application

The purpose of this application was to register a new source of metalaxyl-M and S-isomer, Albaugh Mefenoxam Technical, based on a precedent.

### Chemistry Assessment

**Common Name:** Metalaxyl-M and S-isomer  
**IUPAC\* Chemical Name:** methyl *N*-(2,6-dimethylphenyl)-*N*-(methoxyacetyl)-D-alaninate (for metalaxyl-M)  
 methyl *N*-(2,6-dimethylphenyl)-*N*-(methoxyacetyl)-L-alaninate (for metalaxyl-S)  
**CAS† Chemical Name:** methyl *N*-(2,6-dimethylphenyl)-*N*-(methoxyacetyl)-D-alaninate (for metalaxyl-M)  
 methyl *N*-(2,6-dimethylphenyl)-*N*-(methoxyacetyl)-L-alaninate (for metalaxyl-S)

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Albaugh Mefenoxam Technical has the following properties:

Property	Result
Colour and physical state	Pale yellow-brown Liquid
Nominal concentration	96.2 %
Odour	Odourless / Mildly Sweet
Density	1.13 – 1.15 g/mL
Vapour pressure	32.9 mPa at 25 °C
pH	4.27 – 4.48, 1% solution
Solubility in water	24.09 g/L
n-Octanol/water partition coefficient	Log K <sub>ow</sub> = 1.59

The required chemistry data for Albaugh Mefenoxam Technical have been provided, reviewed, and found to be acceptable.

### **Health, Environmental and Value Assessments**

Health, environmental and value assessments were not required for this application.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found the information acceptable to support the registration of Albaugh Mefenoxam Technical.

### **References**

<b>PMRA Document Number</b>	<b>References</b>
3285545	2021, Analysis of [CBI Removed] in 5 batches of Metalaxyl-M TC, DACO: 2.13.4 CBI
3285547	2017, Determination of Active Content of Metalaxyl-M – Method Validation, DACO: 2.13.1 CBI
3285548	2017, Determination of Physical-chemical properties of Metalaxyl-M, DACO: 2.14,2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14, 2.14.2,2.14.3,2.14.5,2.14.6,2.14.7,2.14.8 CBI
3285549	2017, Determination of Active Content and Impurity Profile of Metalaxyl-M, DACO: 2.13.2,2.13.3,2.13.4 CBI
3285550	2021, Part I: Manufacturing Process of Metalaxyl-M Technical, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4 CBI
3285551	2020, Albaugh Mefenoxam Technical Product Identity and composition, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4,2.7,2.8,2.9 CBI
3285552	2020, Final Report for: Physical and Chemical Characteristics of Mefenoxam Technical, DACO: 2.14,2.14.1,2.14.2,2.14.3,2.14.6 CBI
3285553	2015, Chemical Composition of Five Batches of Metalaxyl-M technical Preliminary Analysis and Enforcement Analytical Methods for Metalaxyl-M TGAI: fulfilling the Requirements of OPPTS Guideline 830.1700 and 830.1800 and EU Commission regulation No., 283/2013, DACO: 2.13,2.13.1,2.13.2,2.13.3 CBI
3377420	2022, FINAL AFS report [CBI Removed] in Metalaxyl-M YB-009-SOL.pdf, DACO: 2.13.4 CBI
3421239	2018, Study No. 18238, DACO: 2.13.4 CBI
3421240	2022, 2.14.15_pH_Metalaxyl-M PC letter 20-12-22.pdf, DACO: 2.14.15,830.7000

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written

permission of Health Canada, Ottawa, Ontario K1A 0K9.