

CERTIFICATE OF ANALYSIS

FOR QUALITY ASSURANCE PURPOSES. NOT AN OREGON COMPLIANCE CERTIFICATE.

PRODUCED: JAN 16, 2024

SAMPLE: MUSE HERBAL BLEND (OTHER) // CLIENT: BARBARI // BATCH: PASS



MATRIX: OTHER
CATEGORY: OTHER
SAMPLE ID: 2RO-240109-009
COLLECTED ON: JAN 12, 2024
BATCH/SAMPLE SIZE: 4800 G / 8 G
SAMPLING SOP: 160721_LAB-SOP_SAMPLECOLLECTION-V010
RECEIVED BY: JULIEN OUELLETTE
SERVING/PACKAGE SIZE: 1 G / 8 G



BATCH RESULT: PASS

MYCOTOXINS	PASS
PESTICIDES	PASS



RESULTS CERTIFIED BY: JULIAN WOLZ
TECHNICAL DIRECTOR, 2 RIVER LABS OREGON
JAN 17, 2024

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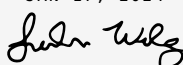
AOAC 2007.01 & EN 15662: PESTICIDES BY LC-MS ESI // JAN 16, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOQ (µg/g)	PASS/FAIL	DATA FLAGS
ABAMECTIN	0.5 µg/g	< LOQ	0.200	PASS	
ACEPHATE	0.4 µg/g	< LOQ	0.200	PASS	
ACEQUINOCYL	2 µg/g	< LOQ	1.00	PASS	
ACETAMIPRID	0.2 µg/g	< LOQ	0.100	PASS	
ALDICARB	0.4 µg/g	< LOQ	0.200	PASS	
AZOXYSTROBIN	0.2 µg/g	< LOQ	0.100	PASS	
BIFENAZATE	0.2 µg/g	< LOQ	0.100	PASS	
BIFENTHRIN	0.2 µg/g	< LOQ	0.100	PASS	
BOSCALID	0.4 µg/g	< LOQ	0.200	PASS	
CARBARYL	0.2 µg/g	< LOQ	0.100	PASS	
CARBOFURAN	0.2 µg/g	< LOQ	0.100	PASS	
CHLORANTRANIL-IPROLE	0.2 µg/g	< LOQ	0.100	PASS	
CHLORFENAPYR	1 µg/g	< LOQ	0.500	PASS	
CHLORPYRIFOS	0.2 µg/g	< LOQ	0.100	PASS	
CLOFENTEZINE	0.2 µg/g	< LOQ	0.100	PASS	
CYFLUTHRIN	1 µg/g	< LOQ	0.500	PASS	
CYPERMETHRIN	1 µg/g	< LOQ	0.500	PASS	
DAMINOZIDE	1 µg/g	< LOQ	0.500	PASS	
DIAZINON	0.2 µg/g	< LOQ	0.100	PASS	
DICHLORVOS	1 µg/g	< LOQ	0.500	PASS	
DIMETHOATE	0.2 µg/g	< LOQ	0.100	PASS	
ETHOPROPHOS	0.2 µg/g	< LOQ	0.100	PASS	
ETOFENPROX	0.4 µg/g	< LOQ	0.200	PASS	
ETOXAZOLE	0.2 µg/g	< LOQ	0.100	PASS	
FENOXYCARB	0.2 µg/g	< LOQ	0.100	PASS	
FENPYROXIMATE	0.4 µg/g	< LOQ	0.200	PASS	
FIPRONIL	0.4 µg/g	< LOQ	0.100	PASS	
FLONICAMID	1 µg/g	< LOQ	0.500	PASS	
FLUDIOXONIL	0.4 µg/g	< LOQ	0.200	PASS	
HEXYTHIAZOX	1 µg/g	< LOQ	0.500	PASS	
IMAZALIL	0.2 µg/g	< LOQ	0.100	PASS	
IMIDACLOPRID	0.4 µg/g	< LOQ	0.200	PASS	
KRESOXIM-METHYL	0.4 µg/g	< LOQ	0.200	PASS	
MALATHION	0.2 µg/g	< LOQ	0.100	PASS	
METALAXYL	0.2 µg/g	< LOQ	0.100	PASS	
METHIOCARB	0.2 µg/g	< LOQ	0.100	PASS	
METHOMYL	0.4 µg/g	< LOQ	0.200	PASS	
METHYL PARATHION	0.2 µg/g	< LOQ	0.100	PASS	
MGK-264	0.2 µg/g	< LOQ	0.100	PASS	
MYCLOBUTANIL	0.2 µg/g	< LOQ	0.100	PASS	
NALED	0.5 µg/g	< LOQ	0.200	PASS	
OXAMYL	1 µg/g	< LOQ	0.500	PASS	
PACLOBUTRAZOL	0.4 µg/g	< LOQ	0.200	PASS	
PERMETHRIN	0.2 µg/g	< LOQ	0.100	PASS	
PHOSMET	0.2 µg/g	< LOQ	0.100	PASS	
PIPERONYLBUTOXIDE	2 µg/g	< LOQ	1.00	PASS	
PRALLETHRIN	0.2 µg/g	< LOQ	0.100	PASS	
PROPICONAZOLE	0.4 µg/g	< LOQ	0.200	PASS	
PROPOXUR	0.2 µg/g	< LOQ	0.100	PASS	
PYRETHRINS	1 µg/g	< LOQ	0.500	PASS	
PYRIDABEN	0.2 µg/g	< LOQ	0.100	PASS	
SPINOSAD	0.2 µg/g	< LOQ	0.100	PASS	
SPIROMESIFEN	0.2 µg/g	< LOQ	0.100	PASS	
SPIROTETRAMAT	0.2 µg/g	< LOQ	0.100	PASS	
SPIROXAMINE	0.4 µg/g	< LOQ	0.200	PASS	
TEBUCONAZOLE	0.4 µg/g	< LOQ	0.200	PASS	
THIACLOPRID	0.2 µg/g	< LOQ	0.100	PASS	
THIAMETHOXAM	0.2 µg/g	< LOQ	0.100	PASS	
TRIFLOXYSTROBIN	0.2 µg/g	< LOQ	0.100	PASS	

AOAC 2007.01 & EN 15662: PESTICIDES BY LC-MS ESI // QUALITY CONTROL DATA // ANALYTICAL BATCH: 240115.txt

ANALYTE	Blank (µg/ml)	LOQ (µg/ml)	LCS1 (µg/ml)	LCS1 Spike (µg/ml)	LCS1 REC (%)	LCS2 (µg/ml)	LCS2 Spike (µg/ml)	LCS2 REC (%)	LIMITS (%)
ABAMECTIN	ND	0.00673				0.0293	0.0294	99.7	50-150
ACEPHATE	ND	0.00201	0.0249	0.0292	85.2				60-120
ACEQUINOCYL	ND	0.00351				0.0256	0.0291	88.1	40-160

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ACETAMIPRID	ND	0.00319	0.0268	0.0293	91.6				60-120
ALDICARB	ND	0.00237	0.0235	0.0295	79.9				60-120
AZOXYSTROBIN	ND	0.00178	0.0251	0.0295	85.3				60-120
BIFENAZATE	ND	0.00407	0.0227	0.0290	78.1				60-120
BIFENTHRIN	ND	0.00132				0.0269	0.0292	92.4	50-150
BOSCALID	ND	0.00239	0.0242	0.0291	83.2				60-120
CARBARYL	ND	0.00261	0.0255	0.0292	87.4				60-120
CARBOFURAN	ND	0.00193	0.0247	0.0292	84.4				60-120
CHLORANTRANILIPROLE	ND	0.00236	0.0241	0.0294	81.9				60-120
CHLORFENAPYR	ND	0.00819	0.0233	0.0292	79.9				60-120
CHLORPYRIFOS	ND	0.000869	0.0235	0.0292	80.3				60-120
CLOFENTEZINE	ND	0.000811	0.0255	0.0293	87.0				60-120
CYFLUTHRIN	ND	0.00470				0.0255	0.0292	87.5	50-150
CYPERMETHRIN	ND	0.00376				0.0251	0.0296	84.7	50-150
DAMINOZIDE	ND	0.00960	0.0336	0.0295	114				60-120
DIAZINON	ND	0.00143	0.0206	0.0292	70.7				60-120
DICHLORVOS	ND	0.00297	0.0224	0.0296	75.7				60-120
DIMETHOATE	ND	0.00218	0.0223	0.0295	75.8				60-120
ETHOPROPHOS	ND	0.00139	0.0228	0.0294	77.6				60-120
ETOFENPROX	ND	0.00191				0.0202	0.0292	69.0	50-150
ETOXAZOLE	ND	0.00113	0.0252	0.0294	85.7				60-120
FENOXYCARB	ND	0.00135	0.0249	0.0293	84.9				60-120
FENPYROXIMATE	ND	0.00105	0.0232	0.0295	78.6				60-120
FIPRONIL	ND	0.00353	0.0269	0.0294	91.6				60-120
FLONICAMID	ND	0.00224	0.0258	0.0294	87.7				60-120
FLUDIOXONIL	ND	0.00825				0.0280	0.0296	94.7	50-150
HEXYTHIAZOX	ND	0.00148	0.0276	0.0294	94.0				60-120
IMAZALIL	ND	0.00142	0.0304	0.0294	103				60-120
IMIDACLOPRID	ND	0.00244	0.0260	0.0292	89.0				60-120
KRESOXIM-METHYL	ND	0.00298	0.0221	0.0290	76.0				60-120
MALATHION	ND	0.00233	0.0247	0.0289	85.6				60-120
METALAXYL	ND	0.00199	0.0295	0.0289	102				60-120
METHIOCARB	ND	0.00181	0.0240	0.0293	81.9				60-120
METHOMYL	ND	0.00172	0.0253	0.0294	86.0				60-120
METHYL PARATHION	ND	0.00218				0.0171	0.0287	59.4	50-150
MGK-264 I	ND	0.00176				0.00572	0.00976	58.6	50-150
MGK-264 II	ND	0.00176				0.0134	0.0192	69.7	50-150
MYCLOBUTANIL	ND	0.00377	0.0203	0.0294	69.0				60-120
NALED	ND	0.00405				0.0230	0.0294	78.0	50-150
OXAMYL	ND	0.000609	0.0263	0.0291	90.2				60-120
PACLOBUTRAZOL	ND	0.00154	0.0270	0.0293	92.2				60-120
PERMETHRIN CIS	ND	0.00214				0.0104	0.0118	88.5	50-150
PERMETHRIN TRANS	ND	0.00214				0.0163	0.0176	92.3	50-150
PHOSMET	ND	0.00124				0.0239	0.0292	81.8	50-150
PIPERONYLBUTOXIDE	ND	0.00156	0.0240	0.0290	82.7				60-120
PRALLETHRIN	ND	0.00159	0.0281	0.0293	95.8				60-120
PROPICONAZOLE	ND	0.00189	0.0260	0.0291	89.3				60-120
PROPOXUR	ND	0.00190	0.0259	0.0295	87.9				60-120
PYRETHRINS CINERIN I	ND	0.00184	0.000624	0.000791	78.9				60-120
PYRETHRINS JASMOLIN I	ND	0.00184	0.000447	0.000554	80.7				60-120
PYRETHRINS PYRETHRIN I	ND	0.00184	0.00684	0.00779	87.7				60-120
PYRIDABEN	ND	0.00192				0.0291	0.0292	99.6	50-150
SPINOSAD A	ND	0.00218				0.0287	0.0238	121	50-150
SPINOSAD D	ND	0.00218				0.00408	0.00513	79.5	50-150
SPIROMESIFEN	ND	0.00260	0.0289	0.0292	99.1				60-120
SPIROTETRAMAT	ND	0.00407	0.0268	0.0294	91.2				60-120
SPIROXAMINE	ND	0.00113	0.0301	0.0297	101				60-120
TEBUCONAZOLE	ND	0.00202	0.0234	0.0294	79.5				60-120
THIACLOPRID	ND	0.00122	0.0263	0.0294	89.4				60-120
THIAMETHOXAM	ND	0.000844	0.0262	0.0292	89.8				60-120
TRIFLOXYSTROBIN	ND	0.000520	0.0224	0.0292	76.7				60-120

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Julian Wolz

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AOAC 2007.01 & EN 15662: MYCOTOXINS BY LC-MS // JAN 16, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOQ (µg/kg)	PASS/FAIL	DATA FLAGS
AFLATOXINS	0.02 µg/g	< LOQ	0.0100	PASS	
OCHRATOXIN A	0.02 µg/g	< LOQ	10.0	PASS	

AOAC 2007.01 & EN 15662: MYCOTOXINS BY LC-MS // QUALITY CONTROL DATA // ANALYTICAL BATCH: 240115.txt

ANALYTE	Blank (µg/ml)	LOQ (µg/ml)	LCS (µg/ml)	LCS Spike (µg/ml)	LCS REC (%)	LIMITS (%)
AFLATOXIN B1	ND	0.0107	0.00317	0.00291	109	60-120
AFLATOXIN B2	ND	0.0157	0.00279	0.00294	94.7	60-120
AFLATOXIN G1	ND	0.00285	0.00289	0.00294	98.2	60-120
AFLATOXIN G2	ND	0.00236	0.00289	0.00294	98.3	60-120
OCHRATOXIN A	ND	0.00889	0.00249	0.00291	85.4	60-120

ACCREDITATIONS



4112 - 015

ORELAP ACCREDITED

AOAC 2007.01 & EN 15662: PESTICIDES BY LC-MS ESI
 ABAMECTIN, ACEPHATE, ACEQUINOCYL, ACETAMIPRID, ALDICARB, AZOXYSTROBIN, BIFENAZATE, BIFENTHRIN, BOSCALID, CARBARYL, CARBOFURAN, CHLORANTRANILIPROLE, CHLORFENAPYR, CHLORPYRIFOS, CLOFENTEZINE, CYFLUTHRIN, CYPERMETHRIN, DAMINOZIDE, DIAZINON, DICHLORVOS, DIMETHOATE, ETHOPROPHOS, ETOFENPROX, ETOXAZOLE, FENOXYCARB, FENPYROXIMATE, FIPRONIL, FLONICAMID, FLUDIOXONIL, HEXYTHIAZOX, IMAZALIL, IMIDACLOPRID, KRESOXIM-METHYL, MGK-264, MGK-264 I, MGK-264 II, MALATHION, METALAXYL, METHIOCARB, METHOMYL, METHYL PARATHION, MYCLOBUTANIL, NALED, OXAMYL, PACLOBUTRAZOL, PERMETHRIN, PERMETHRIN CIS, PERMETHRIN TRANS, PHOSMET, PIPERONYLBUTOXIDE, PRALLETHRIN, PROPICONAZOLE, PROPOXUR, PYRETHRINS, PYRETHRINS CINERIN I, PYRETHRINS JASMOLIN I, PYRETHRINS PYRETHRIN I, PYRIDABEN, SPINOSAD, SPINOSAD A, SPINOSAD D, SPIROMESIFEN, SPIROTETRAMAT, SPIROXAMINE, TEBUCONAZOLE, THIACTOPRID, THIAMETHOXAM, TRIFLOXYSTROBIN

AOAC 2007.01 & EN 15662: MYCOTOXINS BY LC-MS
 AFLATOXIN B1, AFLATOXIN B2, AFLATOXIN G1, AFLATOXIN G2, AFLATOXINS, OCHRATOXIN A

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