EUPT-FV-SC03

European Proficiency Test FV-SC03

Avocado

EUPT-FV
special commodities

EUPT-T01

EUPT-FV special commodities

EUPT-T01

EUPT-T02

EUPT-FV special commodities

EUPT-T01

EUPT-T02

EUPT-FH01

EUPT-FV special commodities

EUPT-T01

EUPT-T02

EUPT-FH01

EUPT-BF01

EUPT-FV special commodities

2013	2014	2015	2016	2017
EUPT-T01	EUPT-T02	EUPT-FH01	EUPT-BF01	EUPT-SC01




EUPT-FV special commodities

2013	2014	2015	2016	2017	2018
EUPT-T01	EUPT-T02	EUPT-FH01	EUPT-BF01	EUPT-SC01	EUPT-SC02





EUPT-FV special commodities

2013	2014	2015	2016	2017	2018	2019
EUPT-T01	EUPT-T02	EUPT-FH01	EUPT-BF01	EUPT-SC01	EUPT-SC02	EUPT-SC03






Calendar

ACTIVITY	DATE
Opening Registration period	16th October 2019
Deadline for receiving Application Form from laboratories.	11th November 2019
Sample distribution	25th November 2019
Deadline for receiving results	13th January 2020
Preliminary Report: only results, no statistical treatment	End of January 2020
Preliminary Report with statistical treatment	February 2020
Final Report	August 2020

Organic avocados (Hass variety) were purchased in the local market in Almería

Target List

205 pesticides

Acephate
Acetamiprid
Acrinathrin
Aldicarb
Aldicarb Sulfone
Aldicarb Sulfoxide
Aldrin
Amectrotadin
Azinphos-methyl
Azoxystrobin
Benfuracarb
Bifenthrin (sum of isomers)
Biphenyl
Bitertanol(sum of isomers)
Boscalid
Bromopropylate
Bromuconazole (sum of diaster
Bupirimate
Buprofezin
Cadusafos
Carbaryl
Carbendazim and benomyl (su
expressed as carbendazim)
Carbofuran
Carbofuran-3-hydroxy
Carbosulfan
Chlorantraniliprole
Chlorfenapyr
Chlorfenvinphos
Chlorobenzilate
Chlorothalonil
Chlorpropham
Chlorpyrifos
Chlorpyrifos-methyl
Clofentezine
Clothianidin
Cyazofamid
Cyfluthrin (cyfluthrin incl. other m
(sum of isomers))
Cymoxanil
Cypermethrin (cypermethrin incl
isomers (sum of isomers))
Cyproconazole
Cyprodinil
Deltamethrin (cis-deltamethrin)
Demeton-S-methylsulfone
Diazinon
Dichlofluanid
Dichlorvos
Dicloran
Dicofol (sum of p. p´ and o.p´ isc
Dieldrin
Diethofencarb
Difenoconazole
Diflubenzuron
Dimethoate
Dimethomorph (sum of isomers)
Dimethylaminosulfotoluidide (DM
Diniconazole (sum of isomers)
Diphenylamine
Endosulfan alpha
Endosulfan beta
Endosulfan sulfate
EPN
Epoxiconazole
Ethion
Ethirimol
Ethoprophos
Etofenprox
Etoxazole
Famoxadone
Fenamidone
Fenamiphos
Fenamiphos sulfone
Fenamiphos sulfoxide
Fenarimol
Fenazaquin
Fenbuconazole
Fenhexamid
Fenitrothion
Fenpropidin
Fenpropimorph
Fenpyroximate
Fenthion
Fenthion oxon
Fenthion oxon sulfone
Fenthion oxon sulfoxide
Fenthion sulfone
Fenthion sulfoxide
Fenvalerate
Fipronil
Fipronil sulfone
Flonicamid
Flubendiamide
Fludioxonil
Flufenoxuron
Fluopicolide
Fluopyram
Fluquinconazole
Flusilazole
Flutolanil
Flutriafol
Fluxapyroxad
Formetanate
Fosthiazate
Hexaconazole
Hexythiazox
Imazalil
Imidacloprid
Indoxacarb
Iprodione
Iprovalicarb
Isocarbophos

EUPT-FV21 Target List

Target List

205 pesticides

Isofenphos-methyl
Isoprothiolane
Kresoxim-methyl
Lambda-Cyhalothrin
Linuron
Lufenuron
Malaoxon
Malathion
Mandipropamid
Mepanipyrim
Metalaxyl and metalaxyl-M
Metalaxyl and metalaxyl-M
Methiocarb
Methiocarb sulfone
Methiocarb sulfoxide
Methomyl
Methoxyfenozide
Metrafenone
Monocrotophos
Myclobutanyl
Omethoate
Orthophenylphenol
Oxadixyl
Oxamyl
Oxydemeton-methyl
Paclobutrazole
Paraoxon-methyl
Parathion-ethyl
Parathion-methyl
Penconazole
Pencycuron
Pendimethalin
Permethrin (sum of isom
Phenthoate
Phosalone
Phosmet
Phosmet oxon
Phoxim
Pirimicarb
Pirimicarb-desmethyl
Pirimiphos-methyl
Prochloraz
Procymidone
Profenofos
Propamocarb (only par
Propargite
Propiconazole (sum of i
Prothiofos
Pyraclostrobin
Pyridaben
Pyrimethanil
Pyriproxyfen
Quinoxyfen
Spinosad (sum of spinosad A and spinosad D)
Spirodiclofen
Spirotetramat
Spirotetramat metabolite BYI08330-enol
Spirotetramat metabolite BYI08330-ketohydr
Spirotetramat metabolite BYI08330-monohy
Spirotetramat metabolite BYI08330 enol-glu
Spiromesifen
Spiroxamine
Tau-Fluvalinate
Tebuconazole
Tebufenozide
Tebufenpyrad
Teflubenzuron
Tefluthrin
Terbuthylazine
Tetraconazole
Tetradifon
Thiabendazole
Thiacloprid
Thiamethoxam
Thiodicarb
Thiamethoxam
Thiodicarb
Thiophanate-methyl
Tolclofos-methyl
Tolylfluanid
Triadimefon
Triadimenol (any proportion of constituent isomers)
Triazophos
Trichlorfon
Trifloxystrobin
Triflumuron
Trifluralin
Triticonazole
Vinclozolin
Zoxamide

EUPT-FV21 Target List

Pesticides used for the treatment

Bromopropylate	Imidacloprid
Carbendazim	Orthophenylphenol
Carbofuran	Paclobutrazole
Chlorpropham	Permethrin
Cypermethrin	Phosmet
Diazinon	Prochloraz
Difenoconazole	Procymidone
Dimethoate	Spirotetramat
Fipronil	Thiabendazole
	Total: 18

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Difenoconazole	Procymidone
Dimethoate	Spirotetramat
Fipronil	Thiabendazole
	Total: 18

Carbofuran-3-hydroxy

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Bromopropylate	Imidacloprid
Carbendazim	Orthophenylphenol
Carbofuran	Paclobutrazole
Chlorpropham	Permethrin
Cypermethrin	Phosmet
Diazinon	Prochloraz
Difenoconazole	Procymidone
Dimethoate	Spirotetramat
Fipronil	Thiabendazole
	Total: 18

Fipronil sulfone

Pesticides used for the treatment	
Bromopropylate	Imidacloprid
Carbendazim	Orthophenylphenol
Carbofuran	Paclobutrazole
Chlorpropham	Permethrin
Cypermethrin	Phosmet
Diazinon	Prochloraz
Difenoconazole	Procymidone
Dimethoate	Spirotetramat
Fipronil	Thiabendazole
	Total: 18

Omethoate

Pesticides used for the treatment	
Bromopropylate	Imidacloprid
Carbendazim	Orthophenylphenol
Carbofuran	Paclobutrazole
Chlorpropham	Permethrin
Cypermethrin	Phosmet
Diazinon	Prochloraz
Difenoconazole	Procymidone
Dimethoate	Spirotetramat
Fipronil	Thiabendazole
	Total: 18

Spirotetramat metabolite
BYI08330-enol

Pesticides used for the treatment	
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Carbendazim	Orthophenylphenol
Carbofuran	Paclobutrazole
Chlorpropham	Permethrin
Cypermethrin	Phosmet
Diazinon	Prochloraz
Difenoconazole	Procymidone
Dimethoate	Spirotetramat
Fipronil	Thiabendazole
	Total: 18

Carbofuran-3-hydroxy

Fipronil sulfone

Omethoate

Spirotetramat metabolite BYI08330-enol

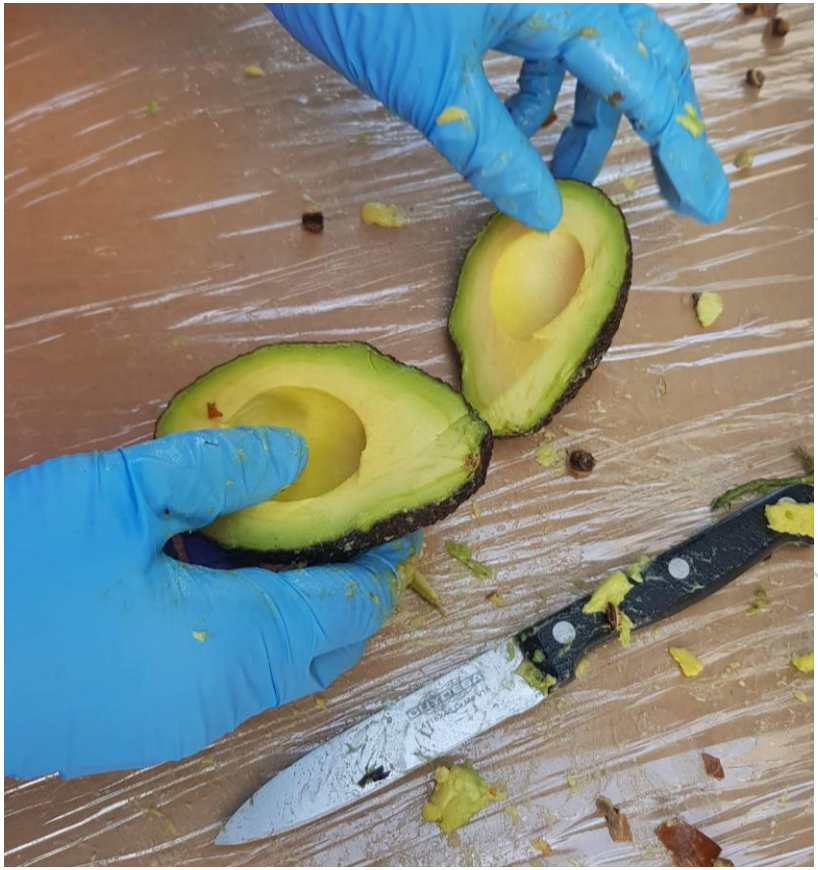
18 + 4 = 22

Preparation of the test item

The avocados were cut into halves

Preparation of the test item

The stones were removed



Preparation of the test item

The avocados were spiked with analytical standards

Preparation of the test item

The avocados were frozen with liquid nitrogen, milled and homogeneised

Homogeneity

The homogeneity in the treated sample was studied using the 2006 Harmonised Protocol.

Stability

1st Analysis - prior to the sample shipment

2nd Analysis - after the deadline for reporting results

3rd Analysis - reproducing the delivery conditions that the samples experienced during 48 hours

All the pesticides passed the homogeneity and stability tests

Participation

Total No. of Labs = 62	Total No. of Countries = 27
EU/EFTA Labs = 57	EU/EFTA countries = 22
Other countries Labs = 5	Other countries = 5

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Other countries Labs = 5	Other countries = 5

2 participants did not submit results

55 EU/EFTA Labs

Participation

Member State	No. Labs
Austria	1
Belgium	4
Bulgaria	1
Croatia	4
Cyprus	1
Estonia	1
Finland	1
France	4
Germany	12
Greece	1
Iceland	1
Ireland	1
Italy	6
Luxembourg	1
Malta	1
Netherlands	1
Norway	1
Poland	1
Spain	12
Sweden	1
Switzerland	1
United Kingdom	2

Non-EU/EFTA	No. Labs
Costa Rica	1
Kenya	1
Peru	1
Thailand	1
Vietnam	1

Results

Assigned values

	Robust Mean X* (mg/kg)
Carbofuran-3- hydroxy	0.00718
Omethoate	0.00886
Fipronil sulfone	0.0113
Spirotetramat metabolite BYI08330-enol	0.0598
Spirotetramat	0.0846
Dimethoate	0.0886
Thiabendazole	0.108
Permethrin	0.121
Imidacloprid	0.131
Paclobutrazole	0.139
Phosmet	0.144
Chlorpropham	0.152
Cypermethrin	0.156
Fipronil	0.171
Carbofuran	0.213
Orthophenylphenol	0.214
Procymidone	0.266
Diazinon	0.271
Prochloraz	0.281
Carbendazim	0.283
Difenoconazole	0.312
Bromopropylate	0.351

Assigned values

Carbofuran-3-hydroxy

AV < MRRL

	Robust Mean X* (mg/kg)
Carbofuran-3- hydroxy	0.00718
Omethoate	0.00886
Fipronil sulfone	0.0113
Spirotetramat metabolite BYI08330-enol	0.0598
Spirotetramat	0.0846
Dimethoate	0.0886
Thiabendazole	0.108
Permethrin	0.121
Imidacloprid	0.131
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Procymidone	0.266
Diazinon	0.271
Prochloraz	0.281
Carbendazim	0.283
Difenoconazole	0.312
Bromopropylate	0.351

Assigned values

Omethoate

Fipronil sulfone

AV < 3 x MRRL

	Robust Mean X* (mg/kg)
Carbofuran-3- hydroxy	0.00718
Omethoate	0.00886
Fipronil sulfone	0.0113
Spirotetramat metabolite BYI08330-enol	0.0598
Spirotetramat	0.0846
Dimethoate	0.0886
Thiabendazole	0.108
Permethrin	0.121
Imidacloprid	0.131
Paclobutrazole	0.139
Phosmet	0.144
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Orthophenylphenol	0.214
Procymidone	0.266
Diazinon	0.271
Prochloraz	0.281
Carbendazim	0.283
Difenoconazole	0.312
Bromopropylate	0.351

Assigned values

Fipronil sulfone

Only 5 results

	Robust Mean X* (mg/kg)
Carbofuran-3- hydroxy	0.00718
Omethoate	0.00886
Fipronil sulfone	0.0113
Spirotetramat metabolite BYI08330-enol	0.0598
Spirotetramat	0.0846
Dimethoate	0.0886
Thiabendazole	0.108
Permethrin	0.121
Imidacloprid	0.131
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Orthophenylphenol	0.214
Procymidone	0.266
Diazinon	0.271
Prochloraz	0.281
Carbendazim	0.283
Difenoconazole	0.312
Bromopropylate	0.351

Assigned values

< 0.1 mg/kg

	Robust Mean X* (mg/kg)
Carbofuran-3- hydroxy	0.00718
Omethoate	0.00886
Fipronil sulfone	0.0113
Spirotetramat metabolite BYI08330-enol	0.0598
Spirotetramat	0.0846
Dimethoate	0.0886
Thiabendazole	0.108
Permethrin	0.121
Imidacloprid	0.131
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Fipronil	0.171
Carbofuran	0.213
Orthophenylphenol	0.214
Procymidone	0.266
Diazinon	0.271
Prochloraz	0.281
Carbendazim	0.283
Difenoconazole	0.312
Bromopropylate	0.351

Assigned values

< 0.1 mg/kg

0.1-0.4 mg/kg

	Robust Mean X* (mg/kg)
Carbofuran-3- hydroxy	0.00718
Omethoate	0.00886
Fipronil sulfone	0.0113
Spirotetramat metabolite BYI08330-enol	0.0598
Spirotetramat	0.0846
Dimethoate	0.0886
Thiabendazole	0.108
Permethrin	0.121
Imidacloprid	0.131
Paclobutrazole	0.139
Phosmet	0.144
Chlorpropham	0.152
Cypermethrin	0.156
Fipronil	0.171
Carbofuran	0.213
Orthophenylphenol	0.214
Procymidone	0.266
Diazinon	0.271
Prochloraz	0.281
Carbendazim	0.283
Difenoconazole	0.312
Bromopropylate	0.351

	MRRL (mg/kg)	Robust Mean (mg/kg)	CV (%)	Uncertainty (mg/kg)
Bromopropylate	0.01	0.351	19.7	0.0125
Carbendazim	0.01	0.283	27.7	0.0137
Carbofuran	0.01	0.213	15.3	0.00556
Chlorpropham	0.01	0.152	15.5	0.00414
Cypermethrin	0.01	0.156	24.4	0.00675
Diazinon	0.005	0.271	16.0	0.00730
Difenoconazole	0.01	0.312	15.9	0.00840
Dimethoate	0.003	0.0886	20.8	0.00311
Fipronil	0.004	0.171	18.5	0.00541
Imidacloprid	0.01	0.131	18.0	0.00403
Orthophenylphenol	0.01	0.214	16.8	0.00658
Paclobutrazole	0.01	0.139	14.7	0.00351
Permethrin	0.01	0.121	29.7	0.00638
Phosmet	0.01	0.144	26.9	0.00747
Prochloraz	0.01	0.281	19.5	0.00962
Procymidone	0.01	0.266	16.0	0.00742
Spirotetramat	0.01	0.0846	31.3	0.00482
Spirotetramat metabolite BYI08330-enol	0.01	0.0598	48.1	0.00645
Thiabendazole	0.01	0.108	22.5	0.00420
Bromopropylate	0.01	0.351	19.7	0.0125

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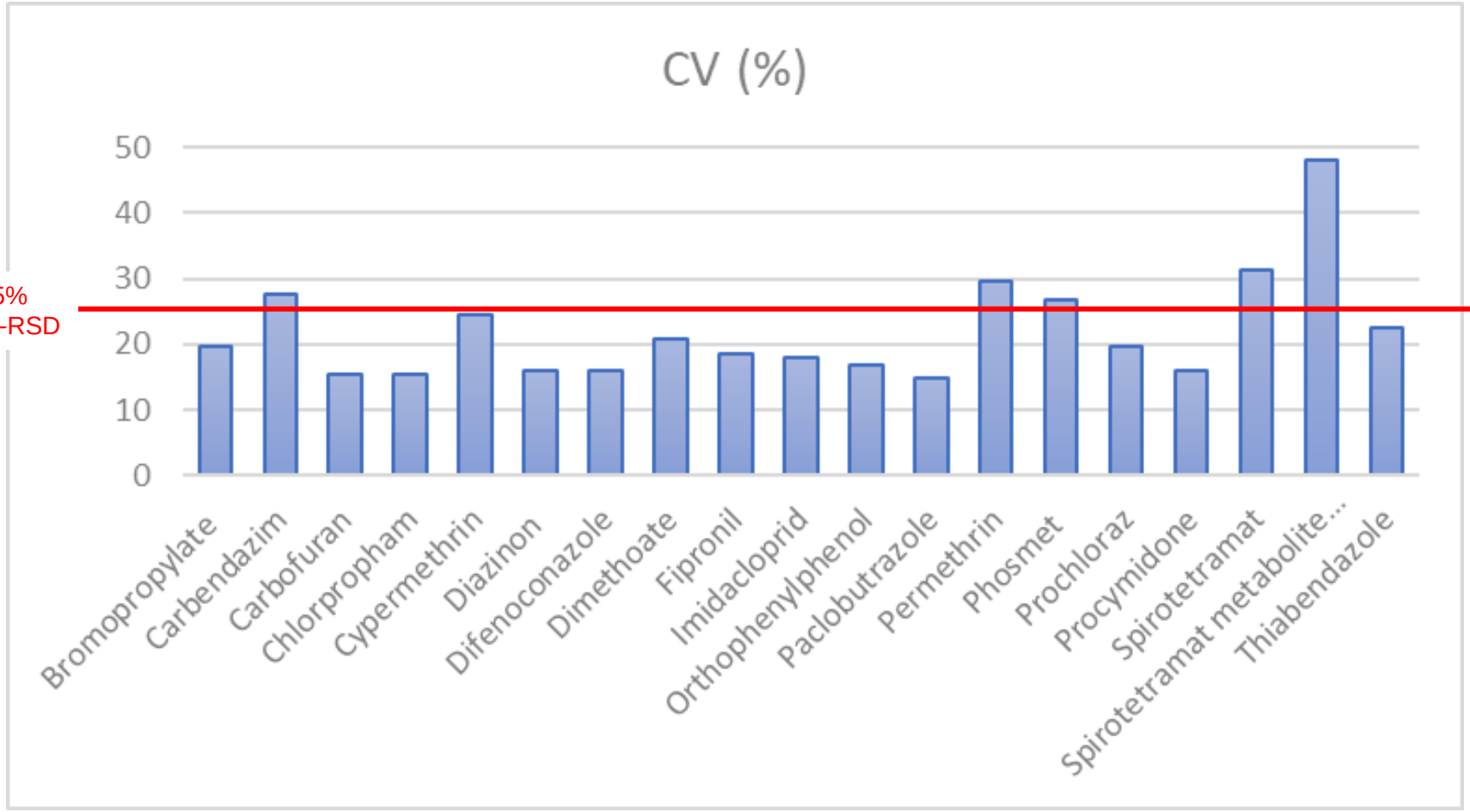
Spirotetramat metabolite BYI08330-enol	0.01	0.0598	48.1	0.00645
Thiabendazole	0.01	0.108	22.5	0.00420
Bromopropylate	0.01	0.351	19.7	0.0125

Dispersion of Results



Pesticides	No. of Reported Results	No. of False Negative Results	No. of Not Analysed Results	Percentage of Labs Reporting Results (out of 55)
Bromopropylate	48	4	3	87
Carbendazim	51	0	4	93
Carbofuran	54	0	1	98
Chlorpropham	51	0	4	93
Cypermethrin	50	1	4	91
Diazinon	55	0	0	100
Difenoconazole	54	0	1	98
Dimethoate	55	0	0	100
Fipronil	54	0	1	98
Imidacloprid	54	0	1	98
Orthophenylphenol	47	0	8	85
Paclobutrazole	53	1	1	96
Permethrin	50	1	4	91
Phosmet	42	8	5	76
Prochloraz	51	0	4	93
Procymidone	51	1	3	93
Spirotetramat	47	0	8	85
Spirotetramat metabolite BYI08330-enol	31	3	21	56
Thiabendazole	53	1	1	96
Bromopropylate	48	4	3	87

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Chlorpropham	51	0	4	93
Cypermethrin	50	1	4	91
Diazinon	55	0	0	100
Difenoconazole	54	0	1	98
Dimethoate	55	0	0	100
Fipronil	54	0	1	98
Imidacloprid	54	0	1	98
Orthophenylphenol	47	0	8	85
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Difenoconazole	54	0	1	98
Dimethoate	55	0	0	100
Fipronil	54	0	1	98
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Carbofuran	54	0	1	98
Chlorpropham	51	0	4	93
Cypermethrin	50	1	4	91
Diazinon	55	0	0	100
Difenoconazole	54	0	1	98
Dimethoate	55	0	0	100
Fipronil	54	0	1	98
Imidacloprid	54	0	1	98
Orthophenylphenol	47	0	8	85
Paclobutrazole	53	1	1	96
Permethrin	50	1	4	91
Phosmet	42	8	5	76
Prochloraz	51	0	4	93
Procymidone	51	1	3	93
Spirotetramat	47	0	8	85
Spirotetramat metabolite BYI08330-enol	31	3	21	56
Thiabendazole	53	1	1	96
Bromopropylate	48	4	3	87

EU/EFTA Laboratories

z-Scores

Pesticides	Robust Mean (mg/kg)	% Acceptable z scores	% Questionable z scores	% Unacceptable z scores
Bromopropylate	0,351	90,4	1,9	7,7
Carbendazim	0,283	88,2	3,9	7,8
Carbofuran	0,213	96,3	0,0	3,7
Chlorpropham	0,152	98,0	2,0	0,0
Cypermethrin	0,156	90,2	5,9	3,9
Diazinon	0,271	100,0	0,0	0,0
Difenoconazole	0,312	98,1	0,0	1,9
Dimethoate	0,089	94,5	1,8	3,6
Fipronil	0,171	92,6	1,9	5,6
Imidacloprid	0,131	96,3	1,9	1,9
Orthophenylphenol	0,214	100,0	0,0	0,0
Paclobutrazole	0,139	96,3	1,9	1,9
Permethrin	0,121	88,2	3,9	7,8
Phosmet	0,144	78,0	6,0	16,0
Prochloraz	0,281	92,2	5,8	2,0
Procymidone	0,266	98,1	0,0	1,9
Spirotetramat	0,085	87,2	8,5	4,3
Spirotetramat metabolite BYI08330-enol	0,060	67,6	14,7	17,6
Thiabendazole	0,108	90,6	1,9	7,5

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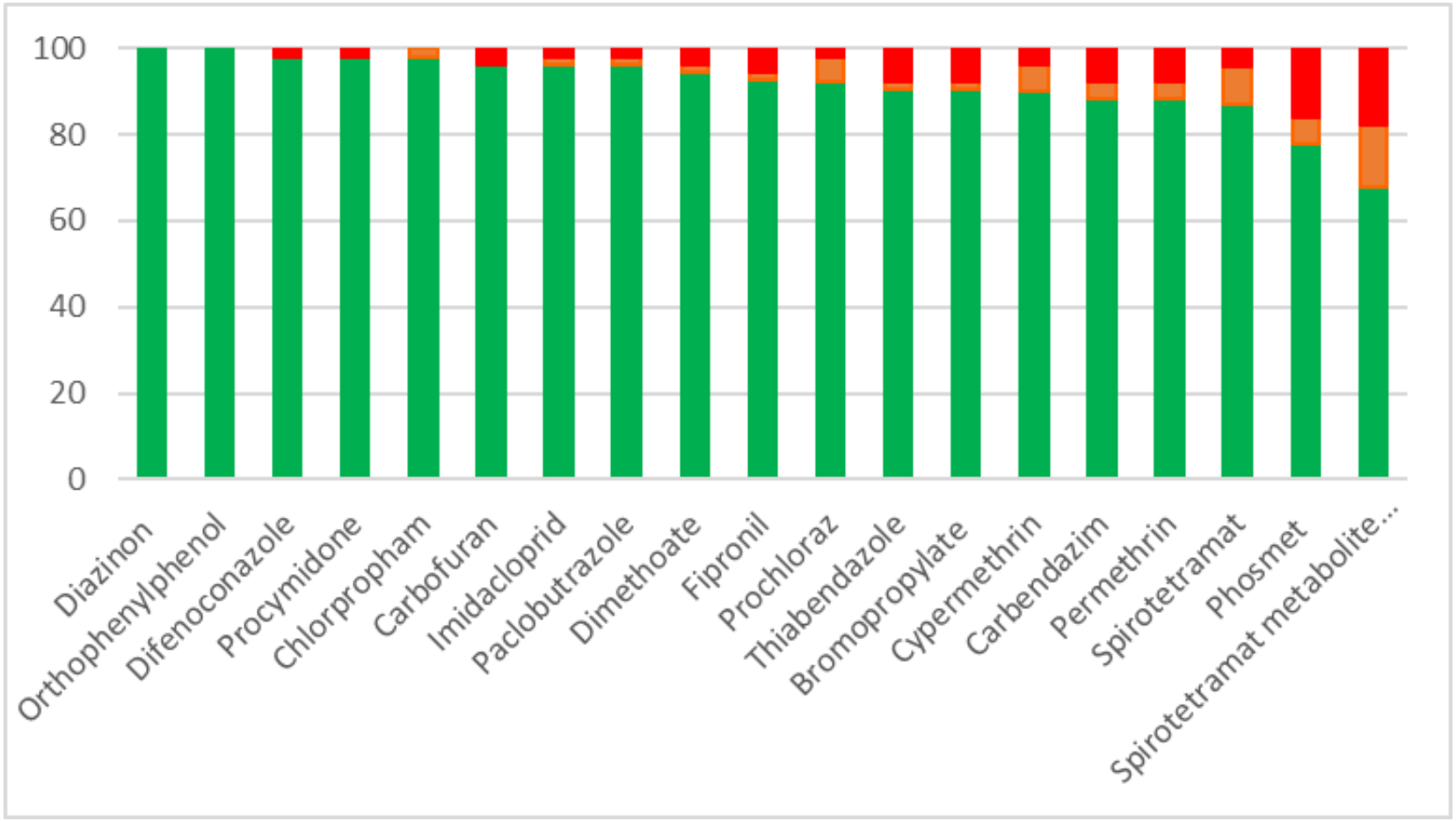
Z Scores classification

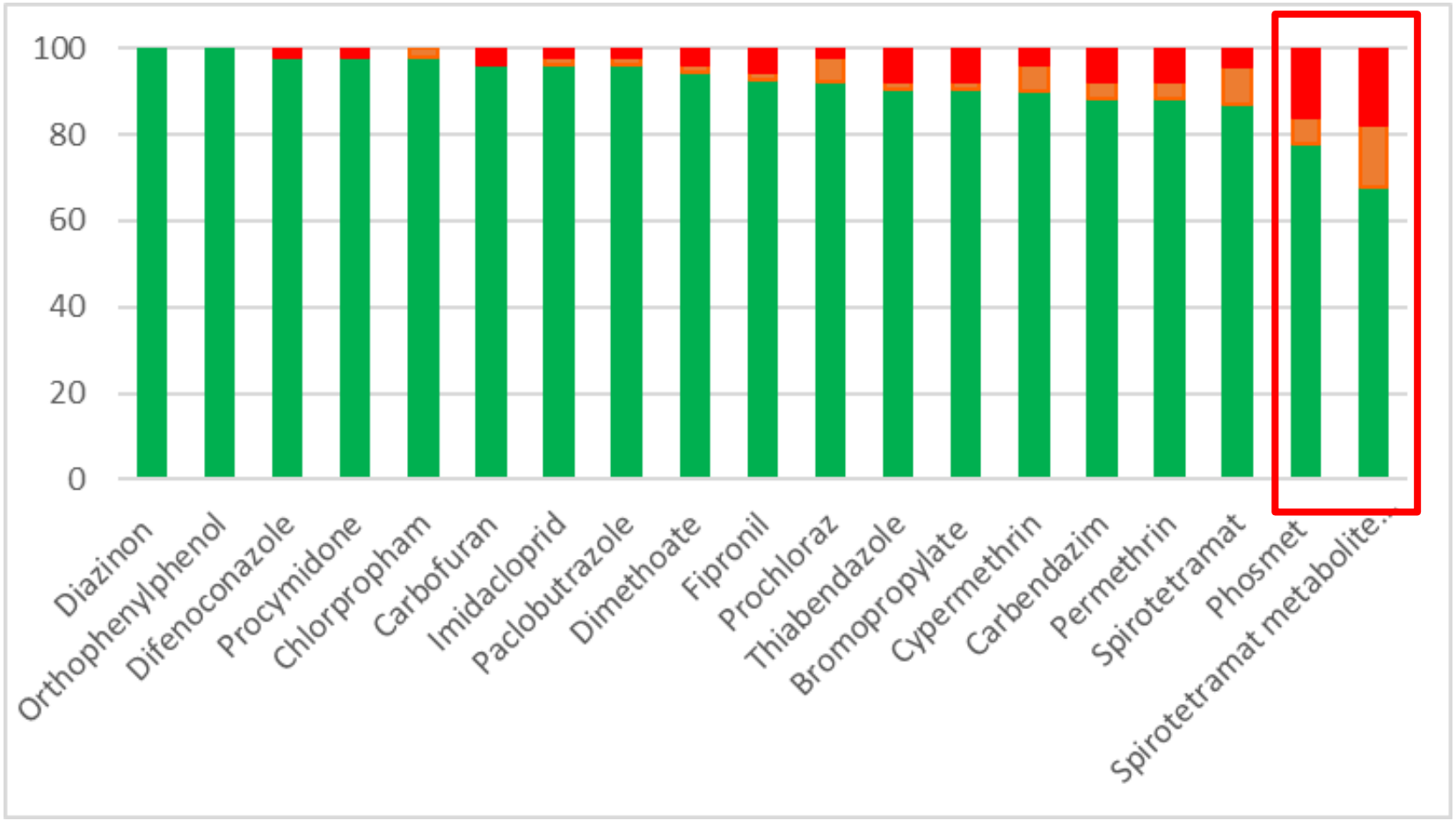
EU/EFTA Laboratories



Acceptable **Questionable** **Unacceptable**

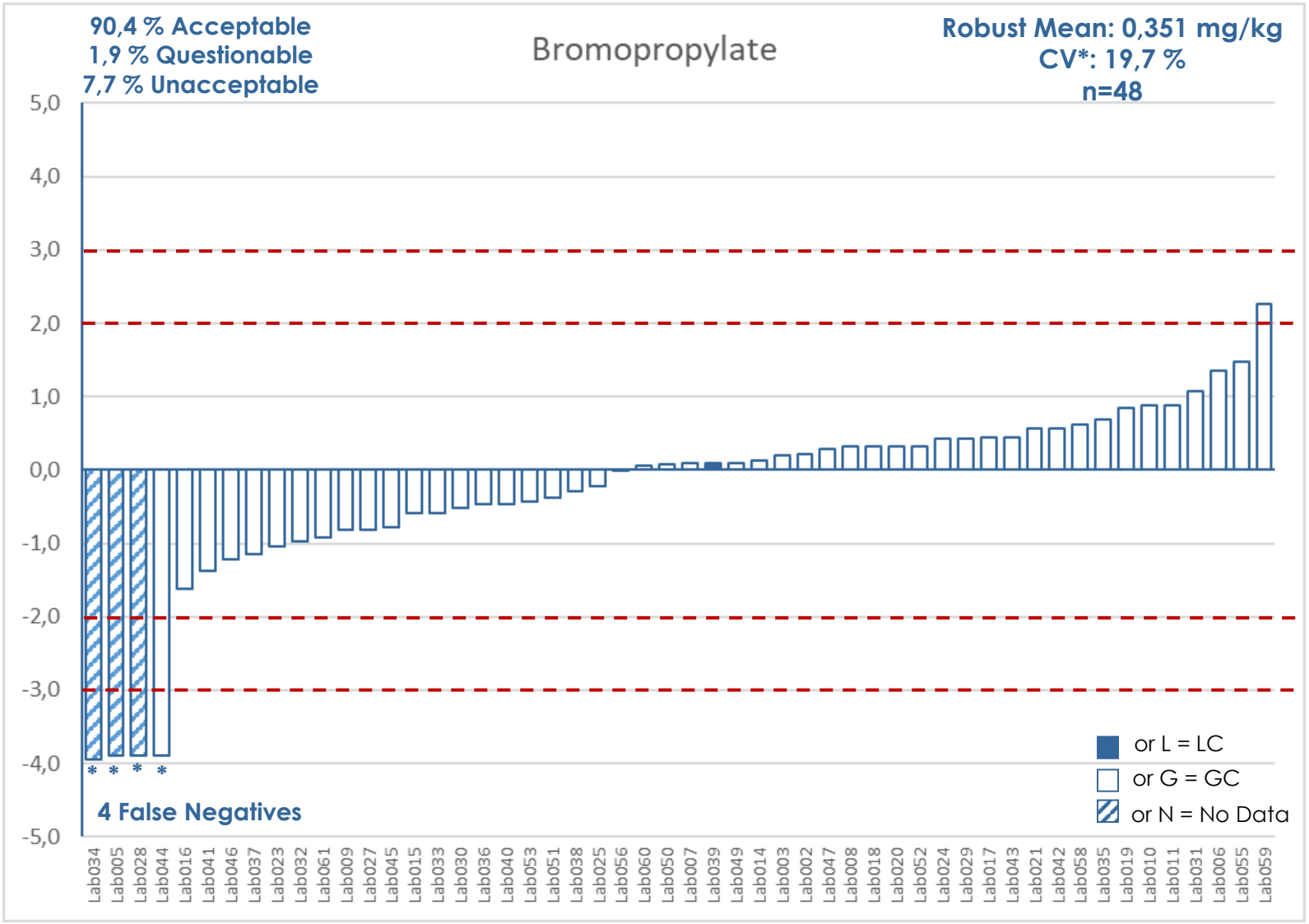
Z Scores classification

EU/EFTA Laboratories



Acceptable **Questionable** **Unacceptable**

EU/EFTA Laboratories



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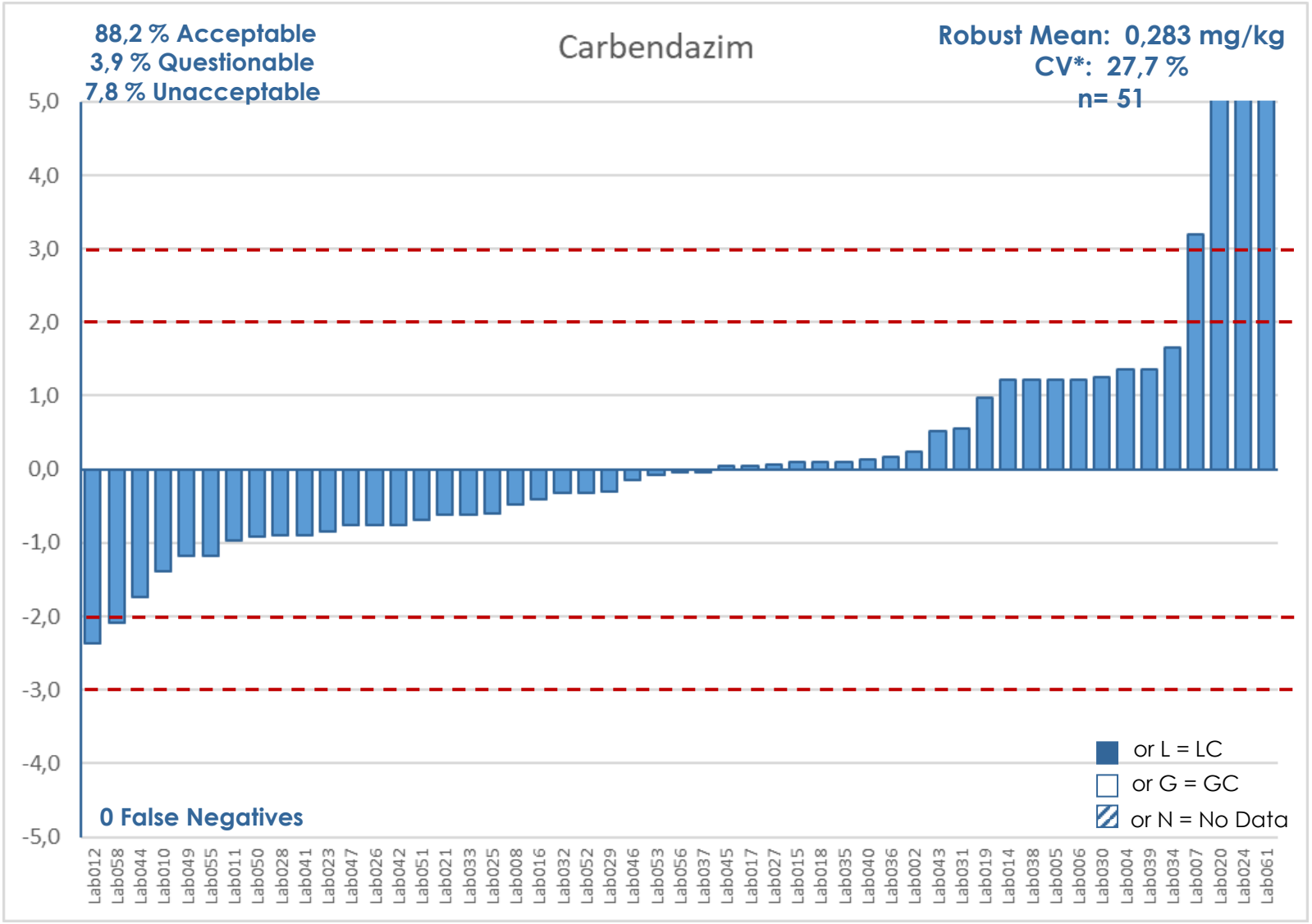

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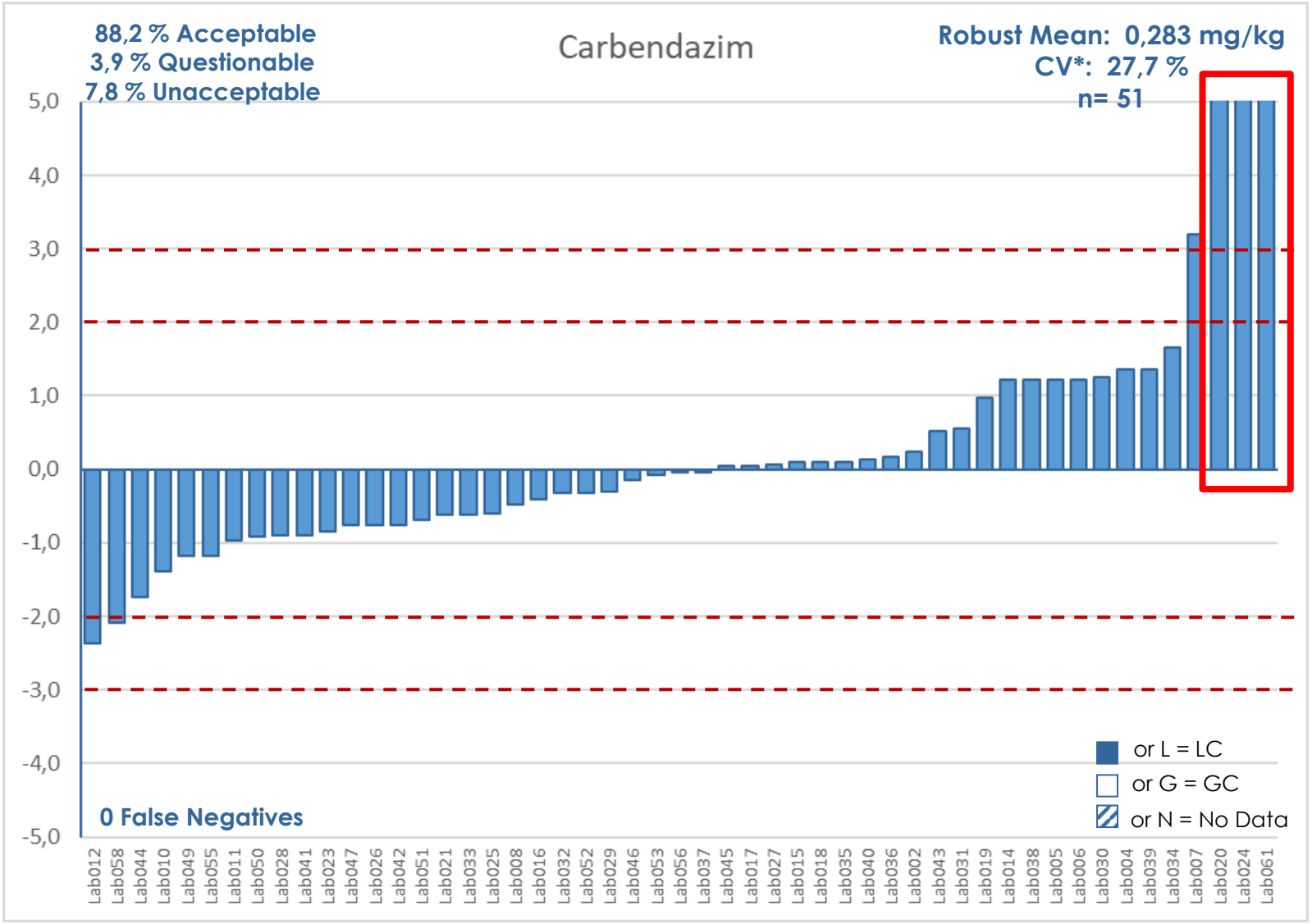
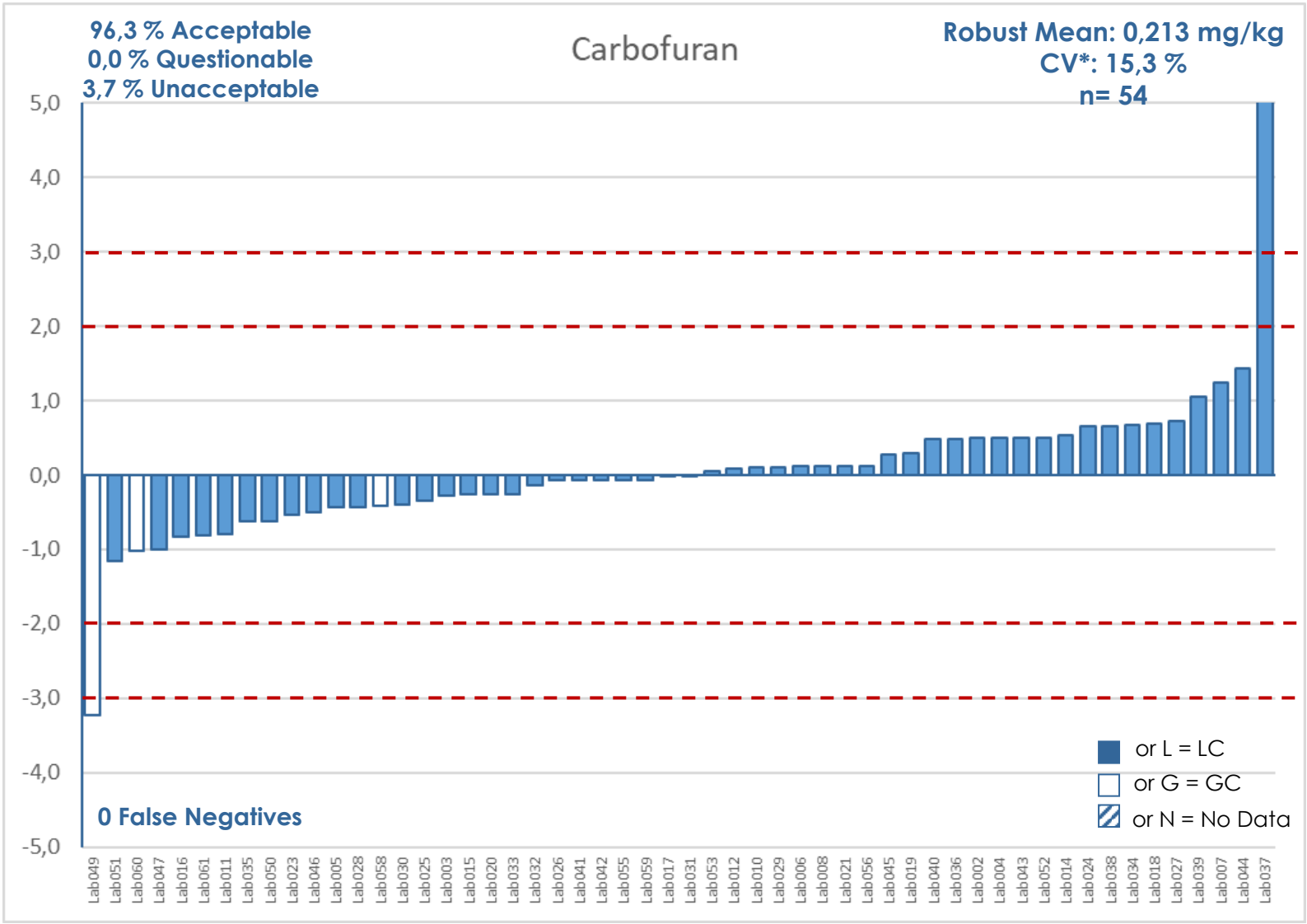


EU/EFTA Laboratories



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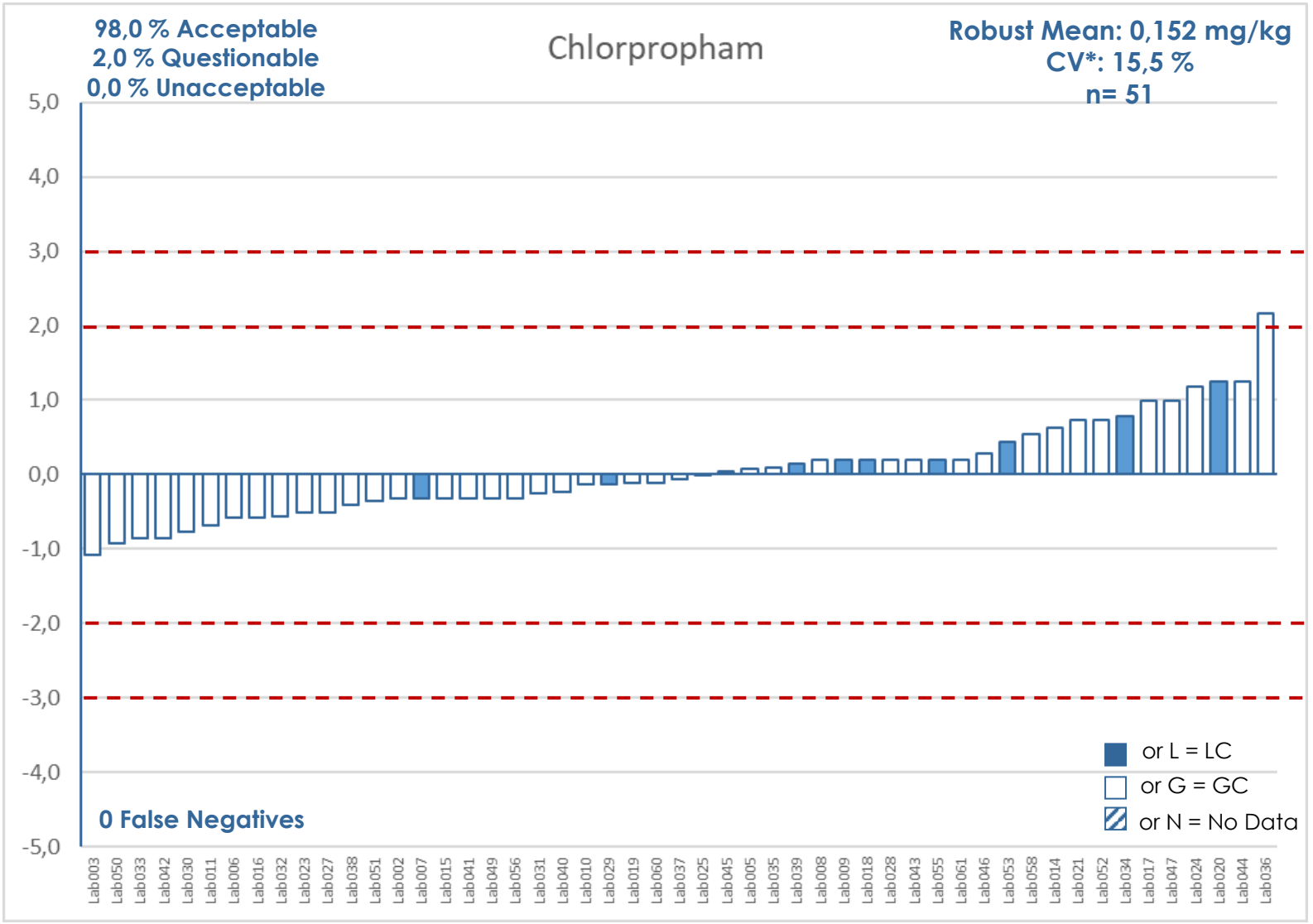

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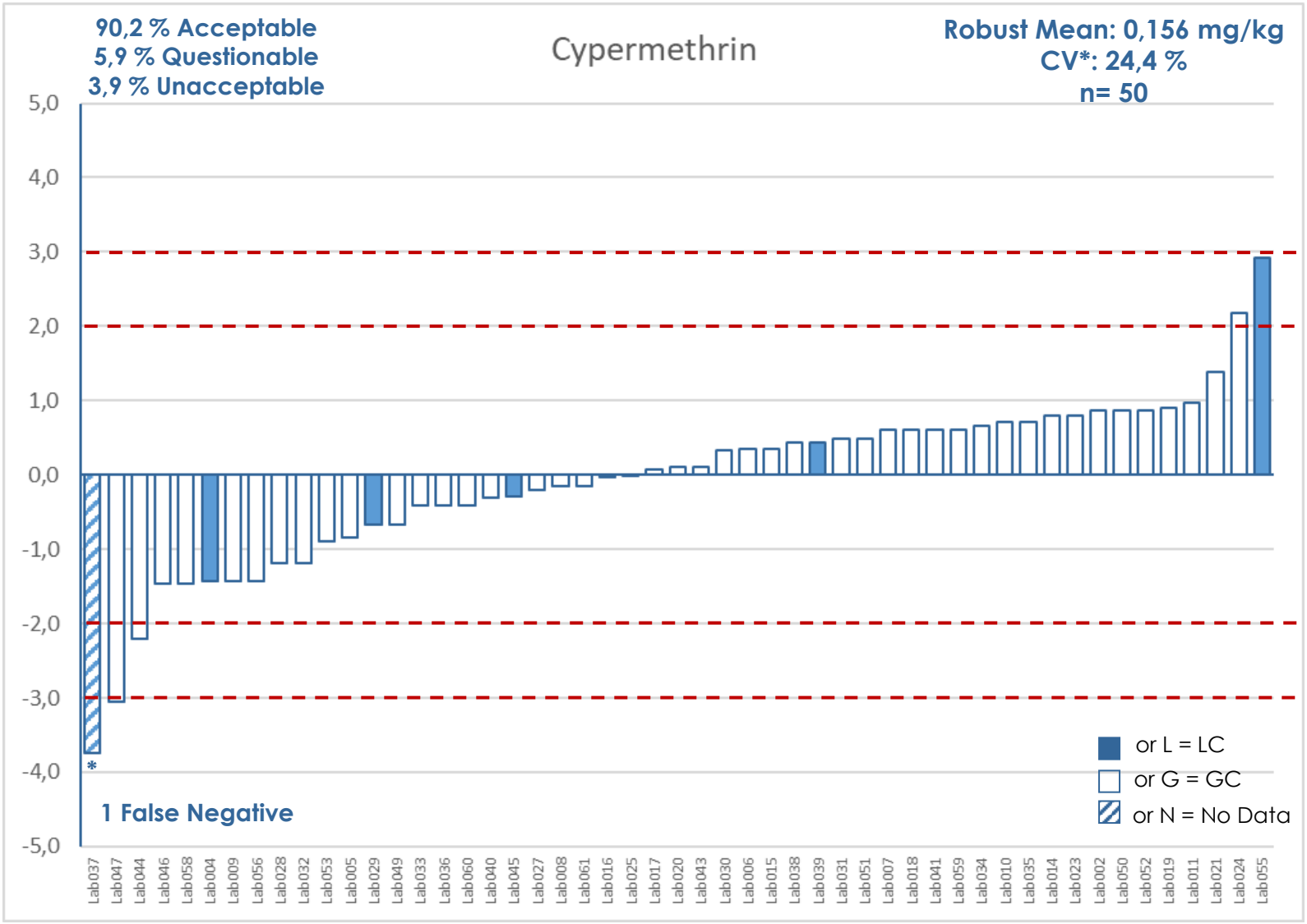

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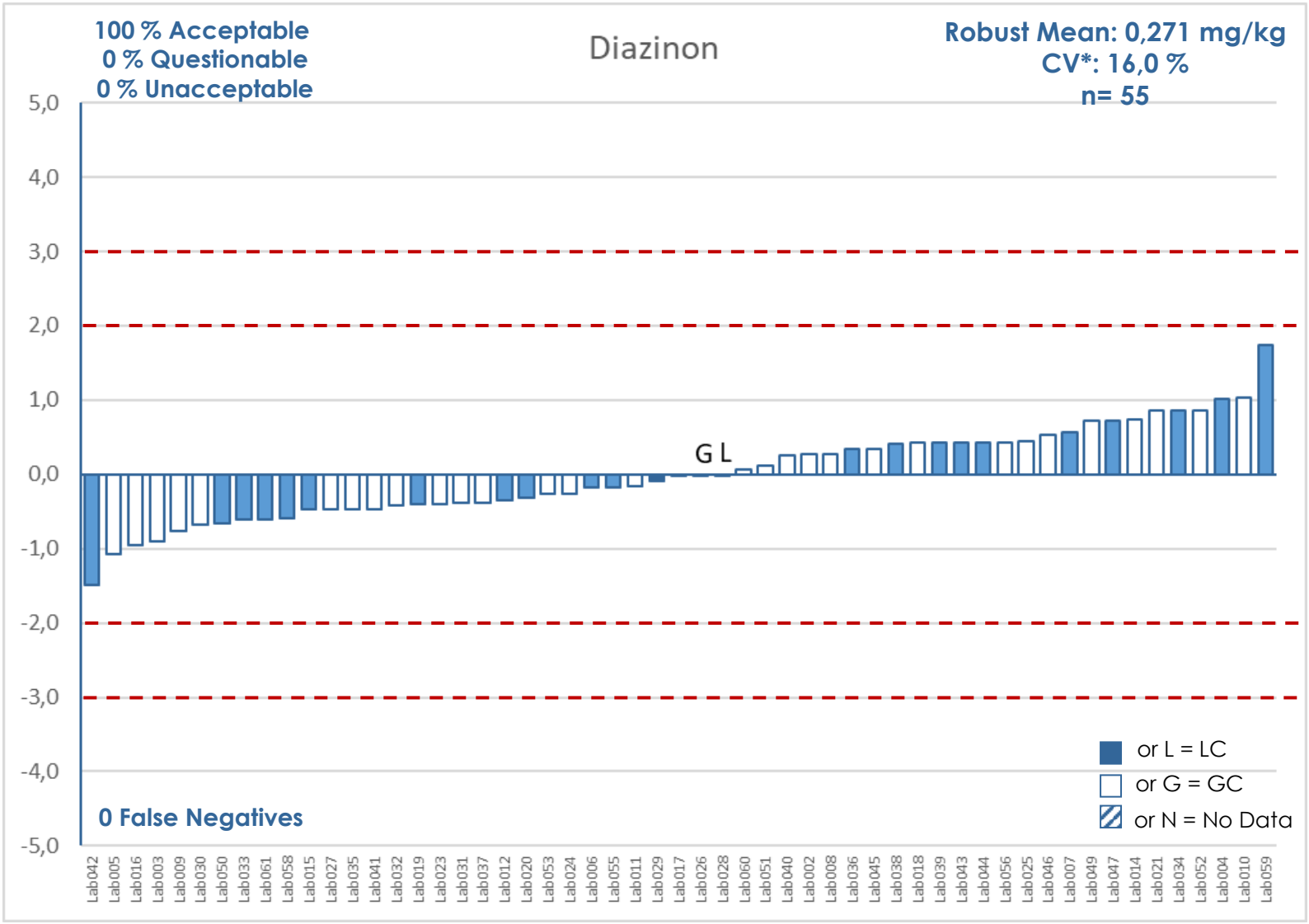

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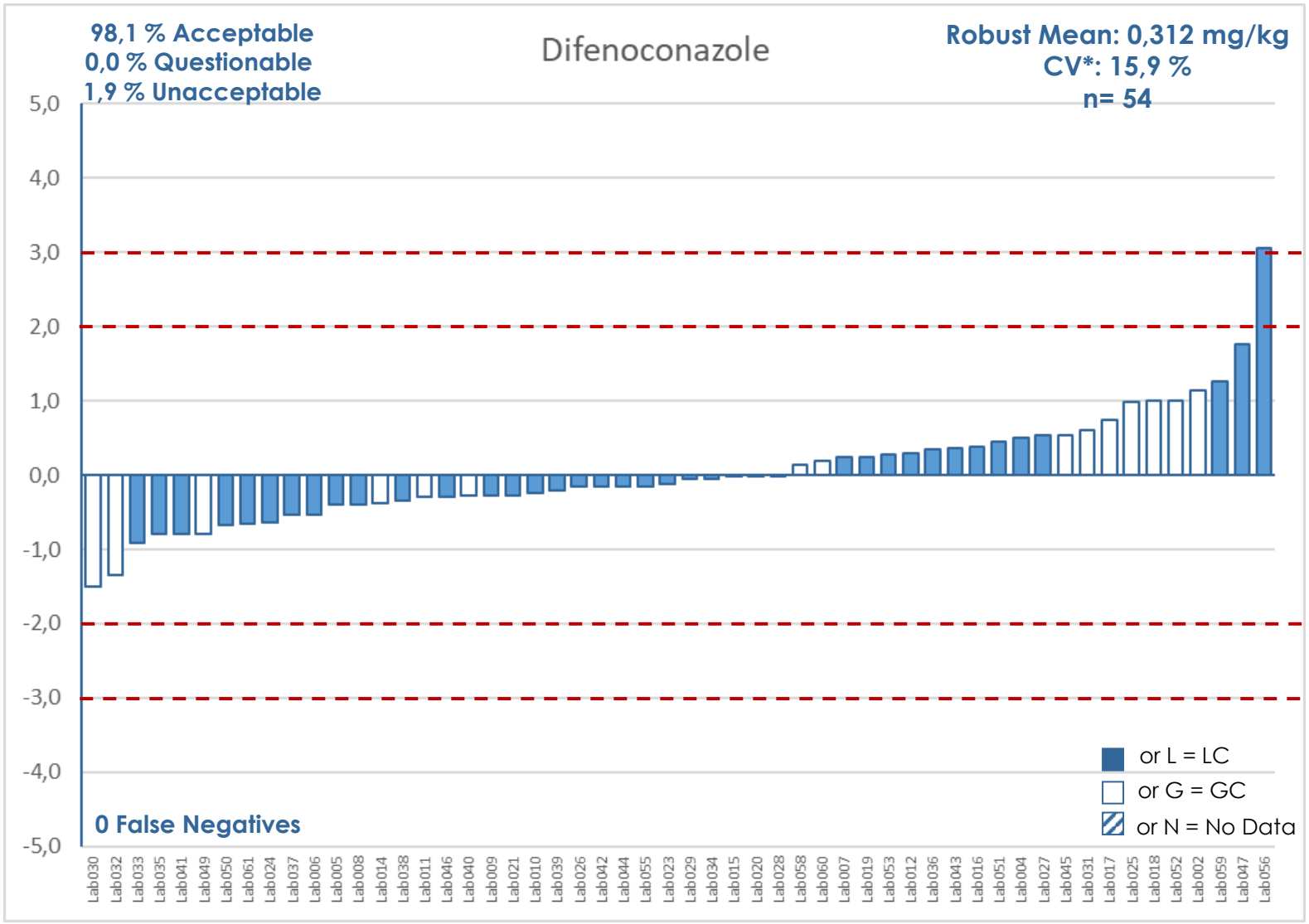

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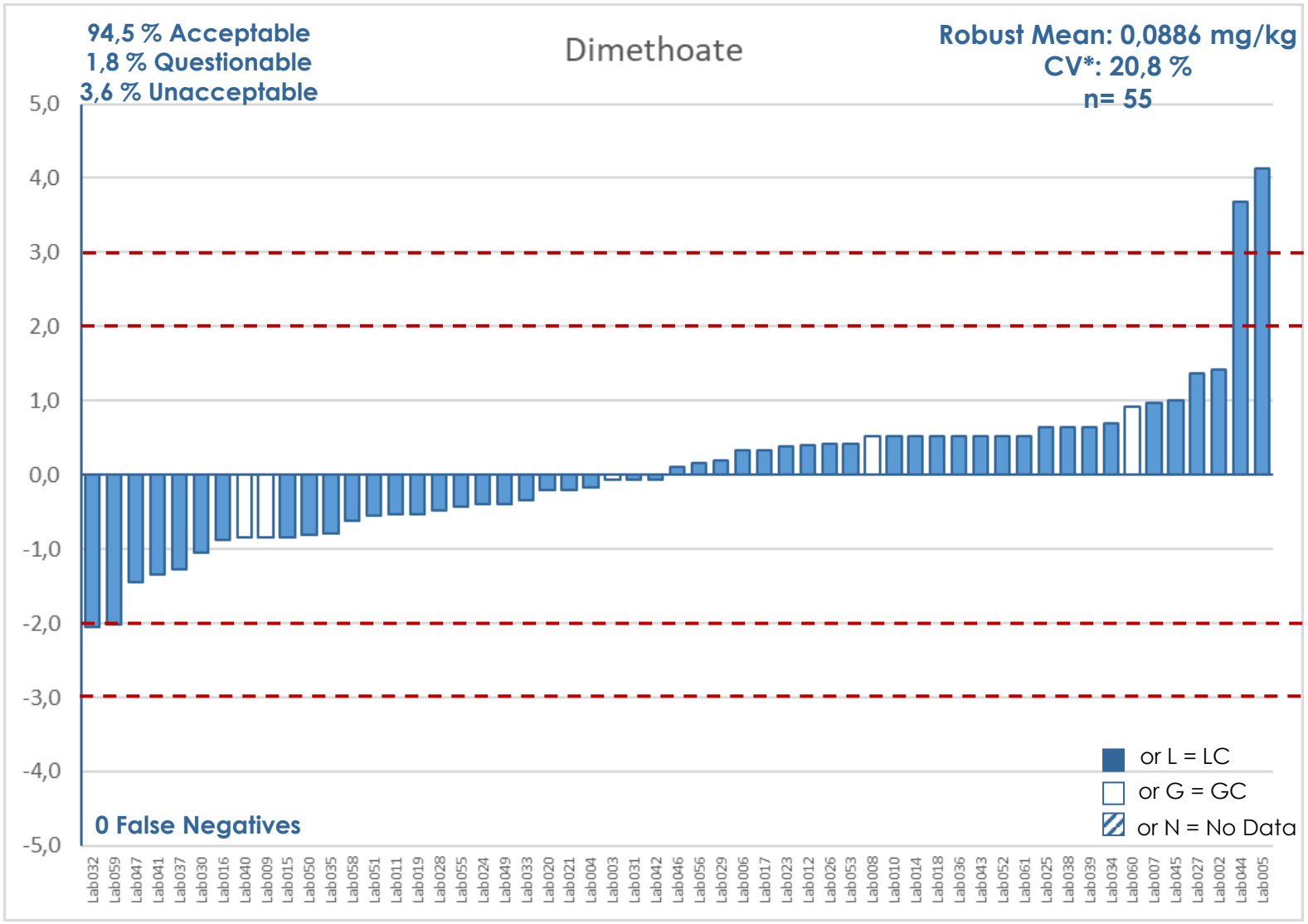

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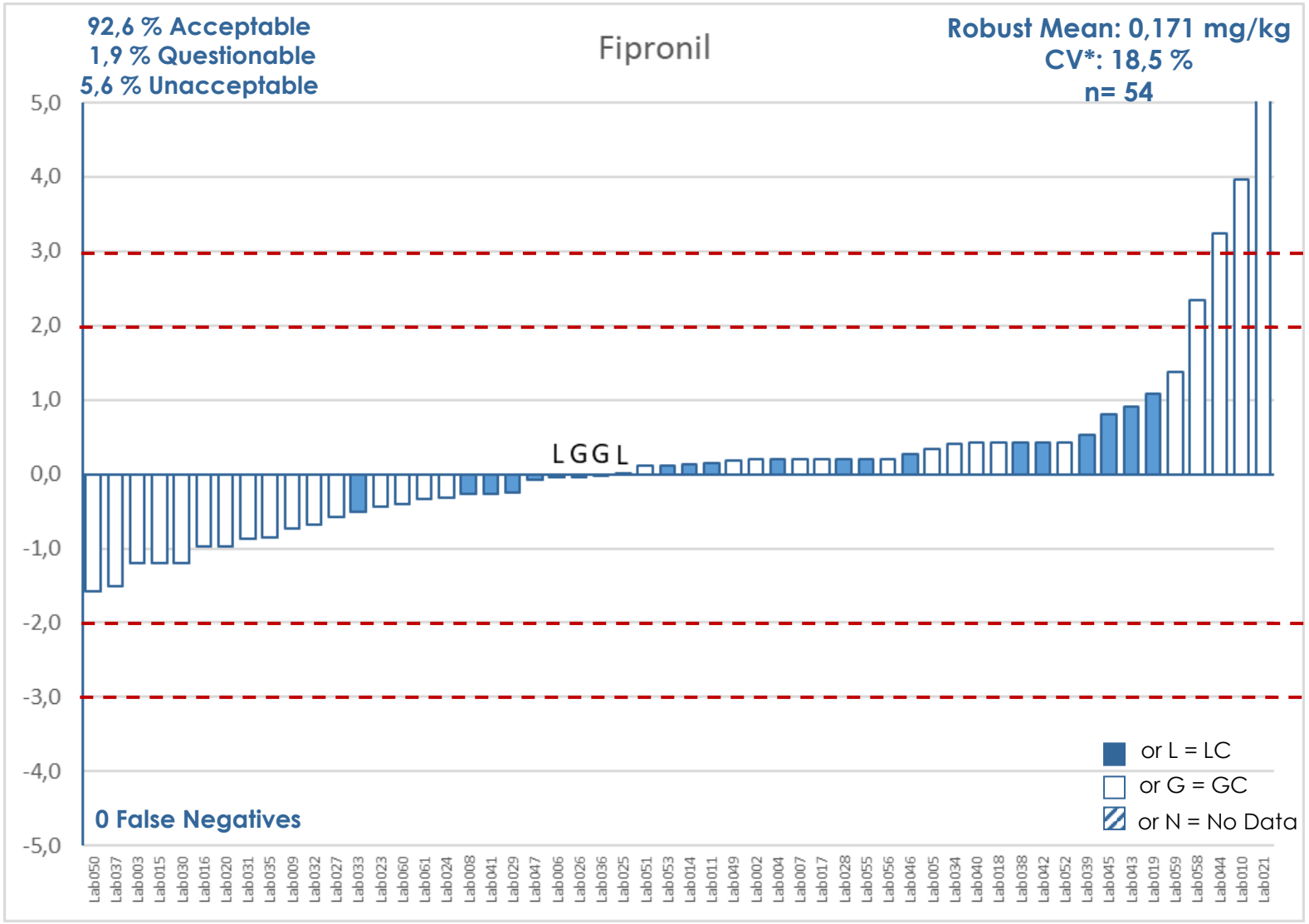

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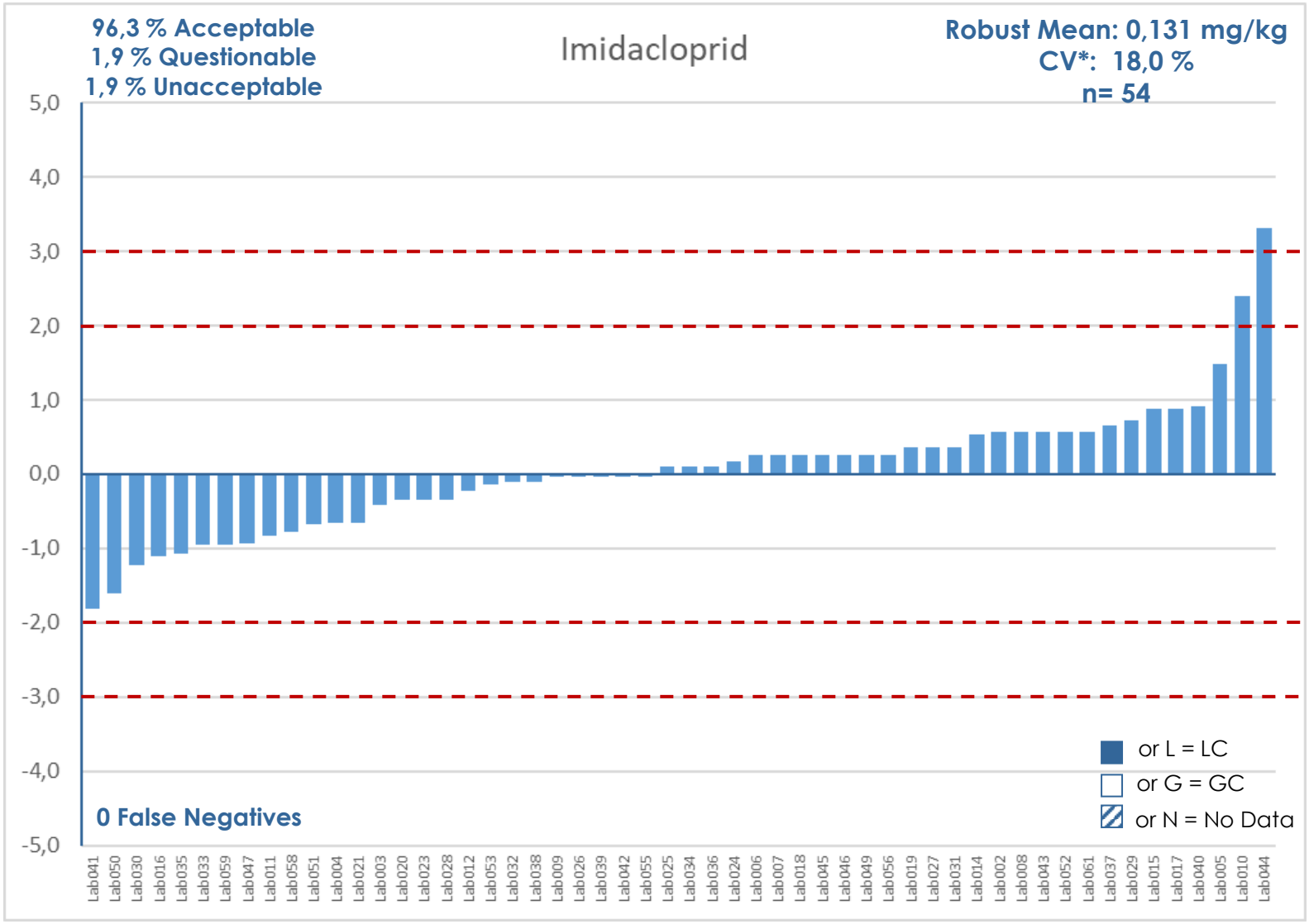

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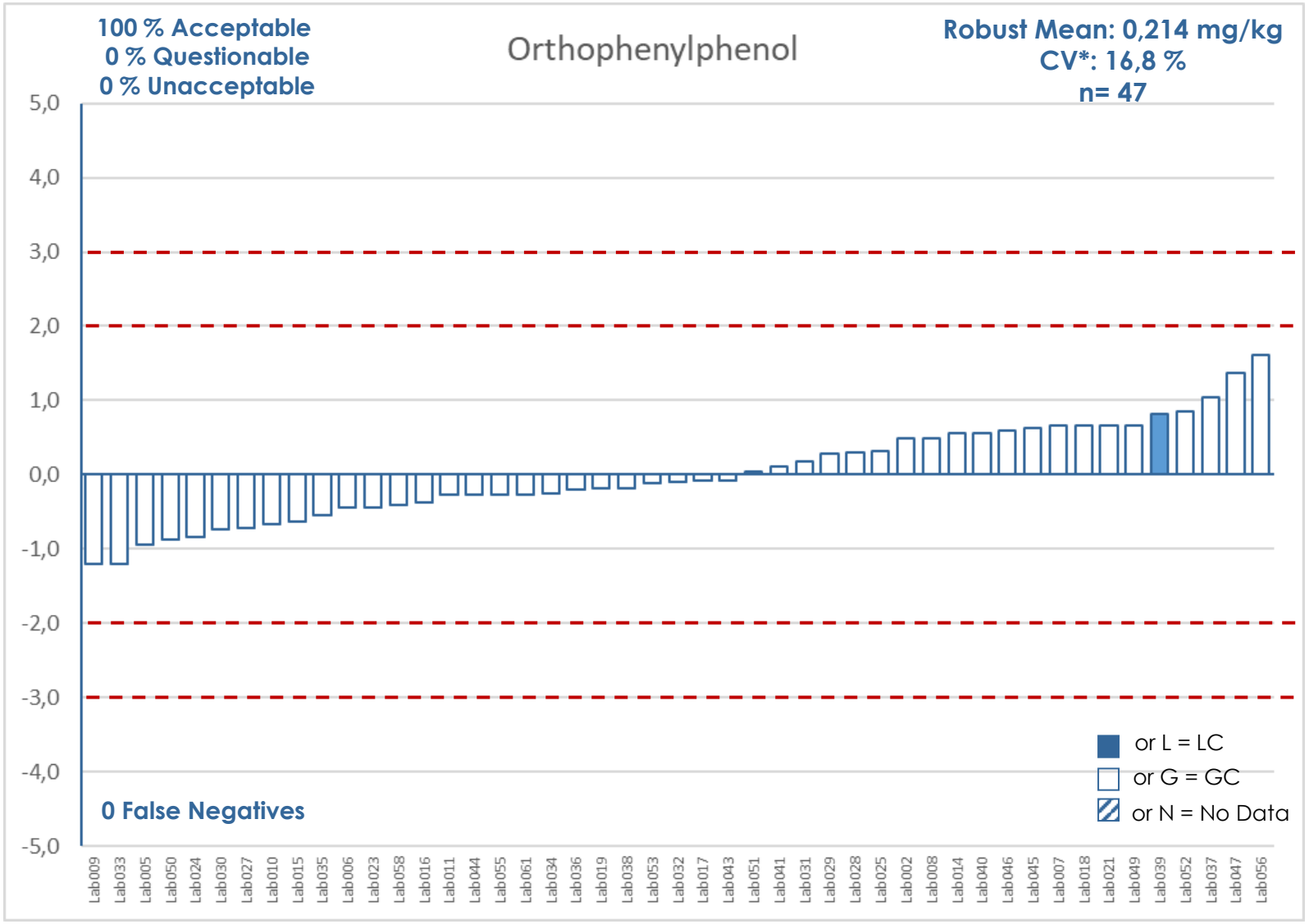

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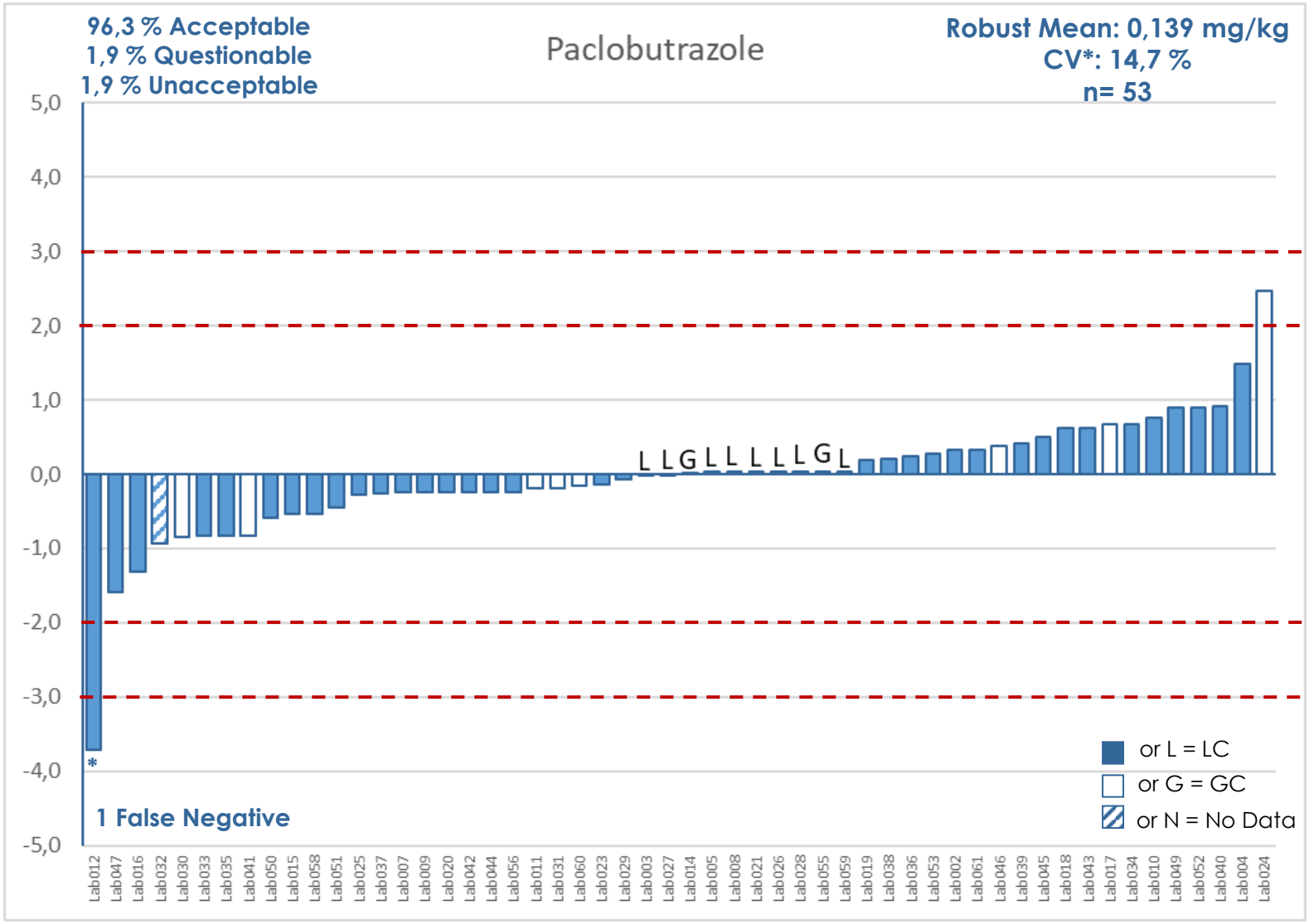

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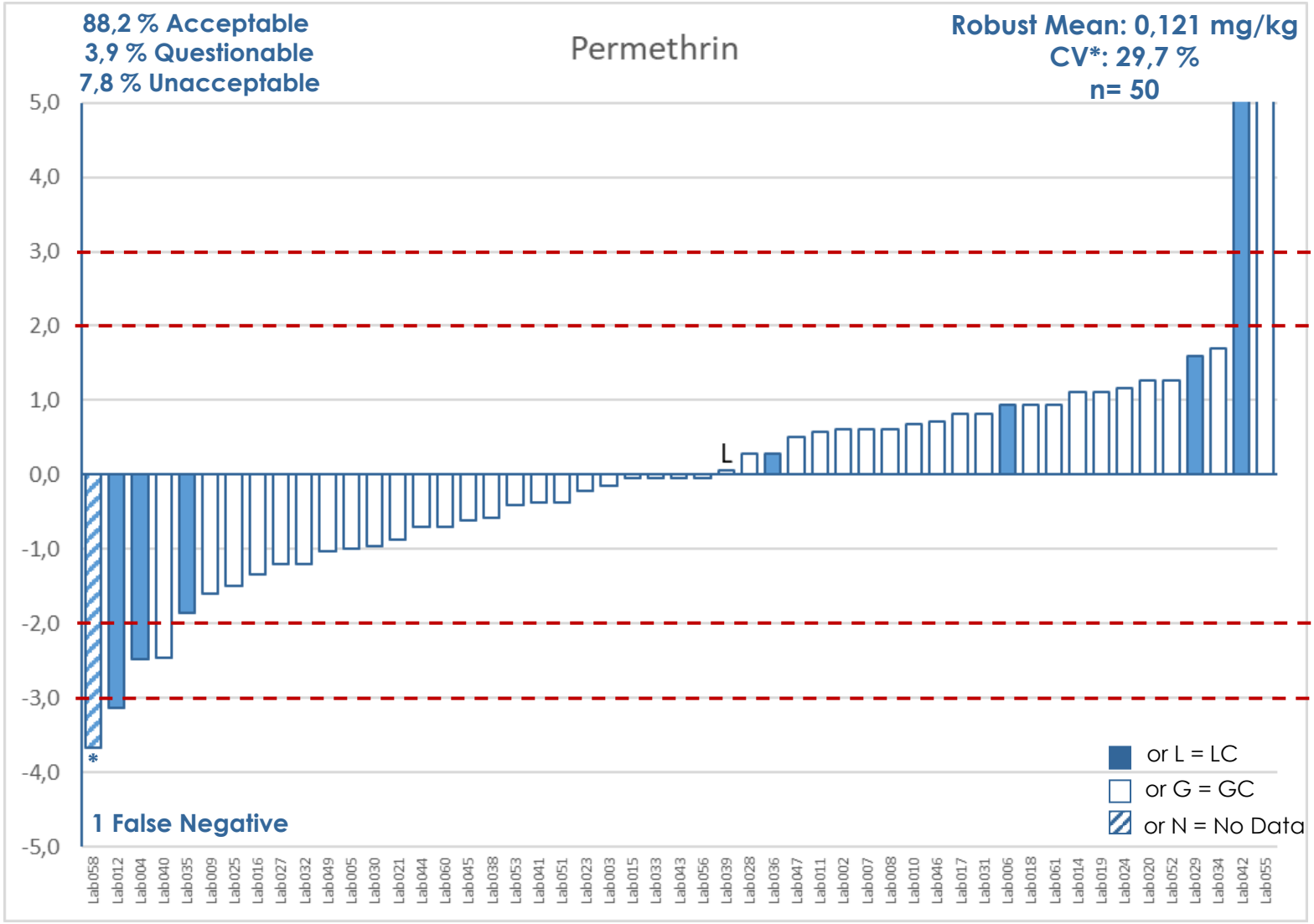

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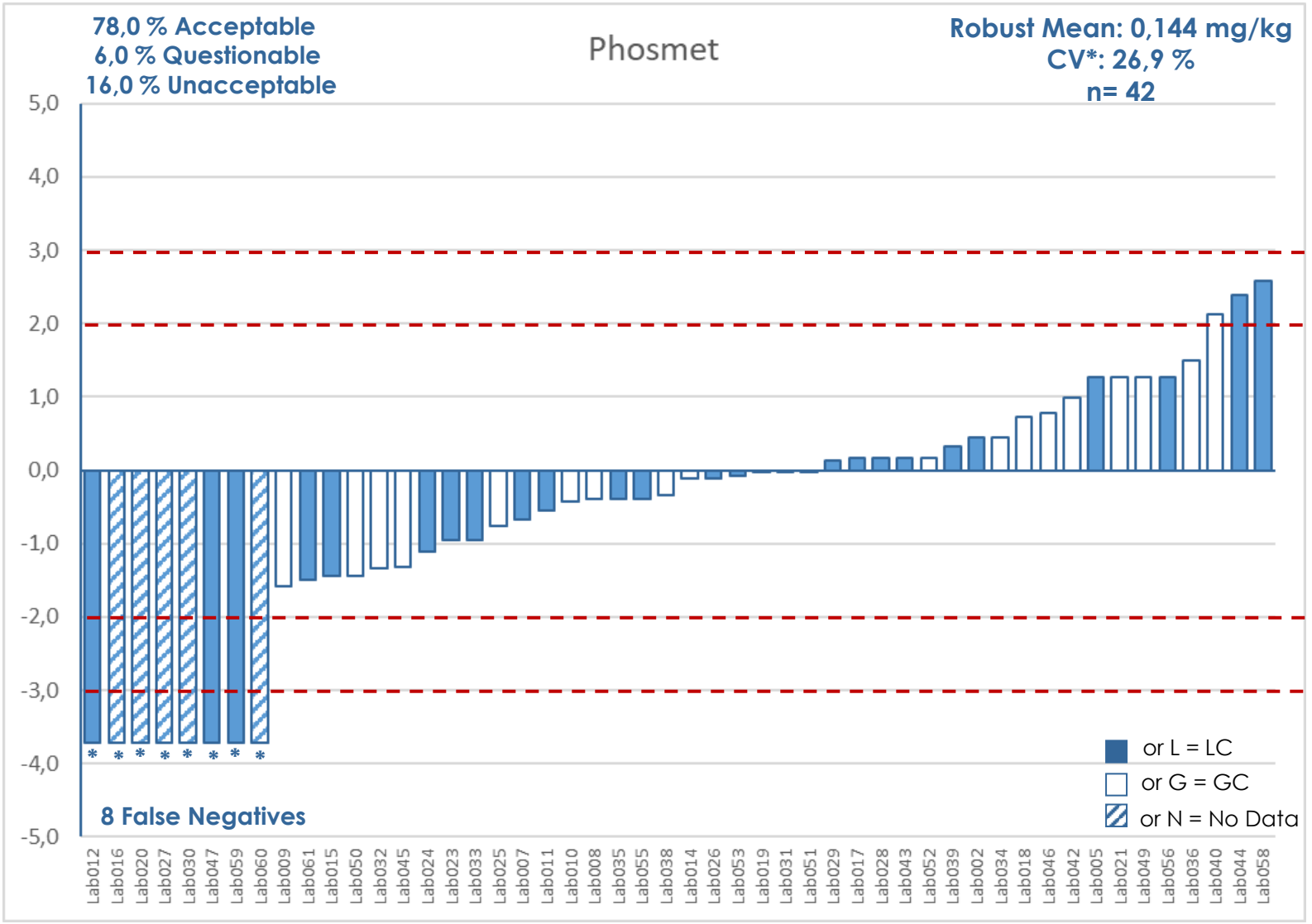

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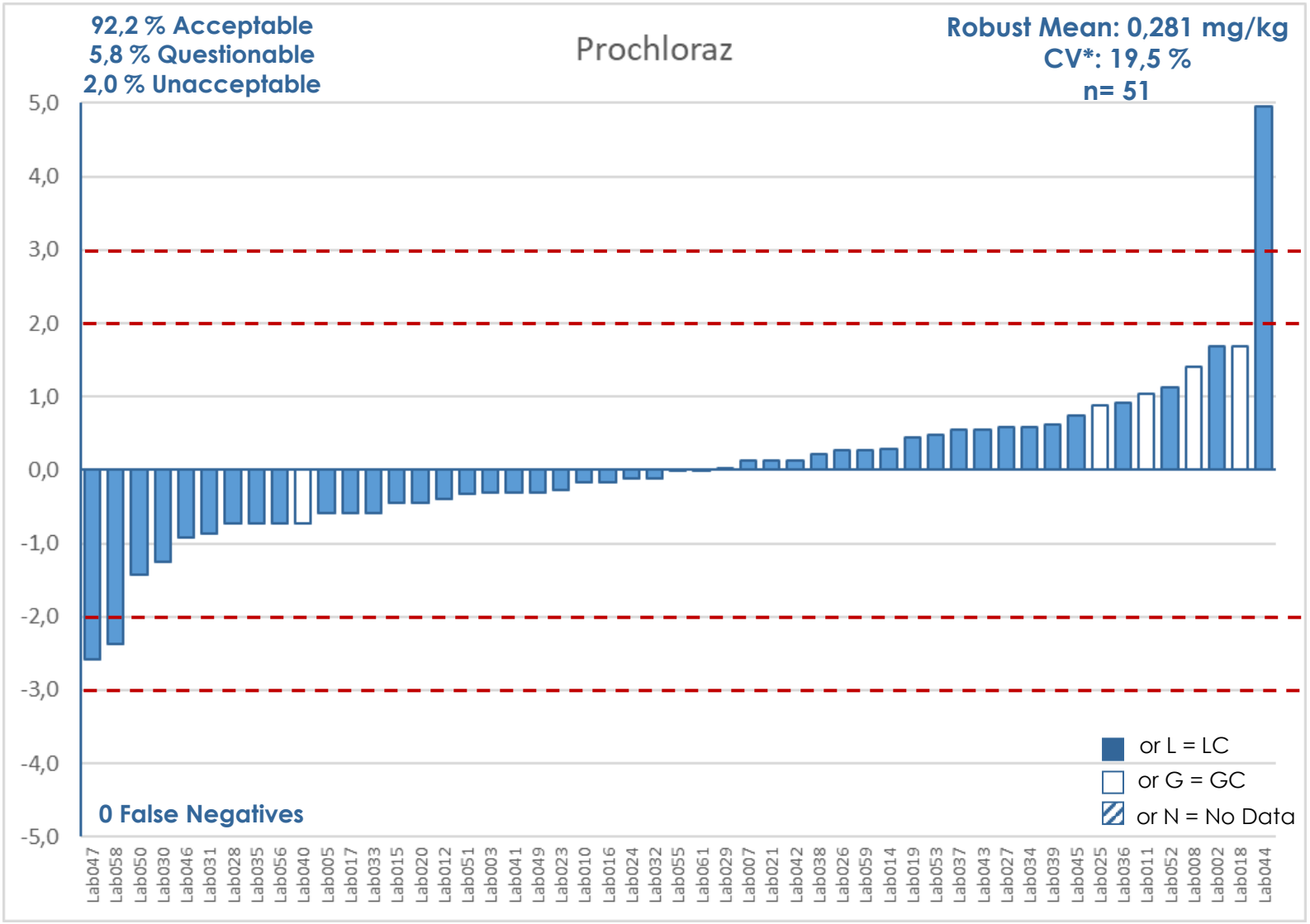

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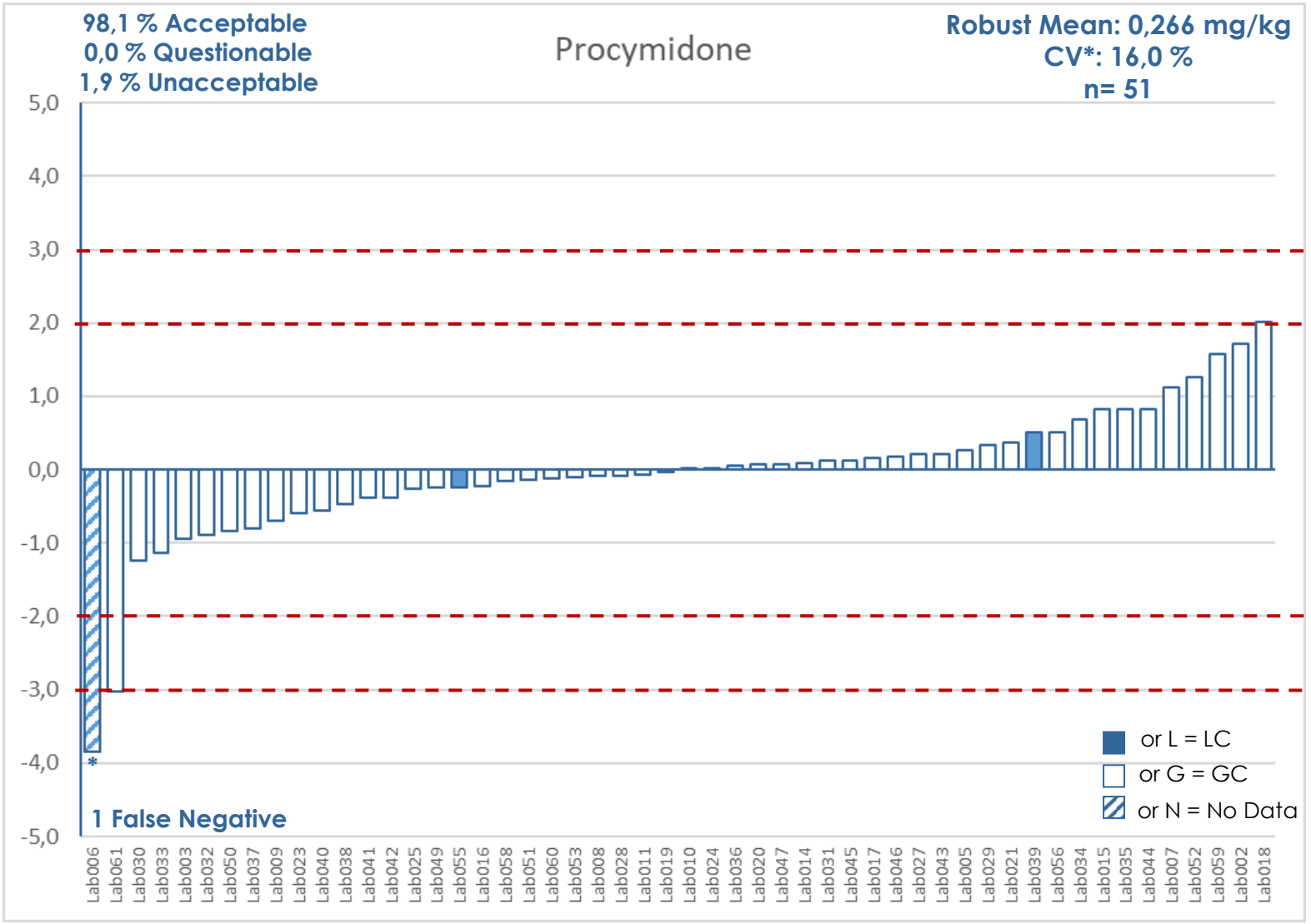

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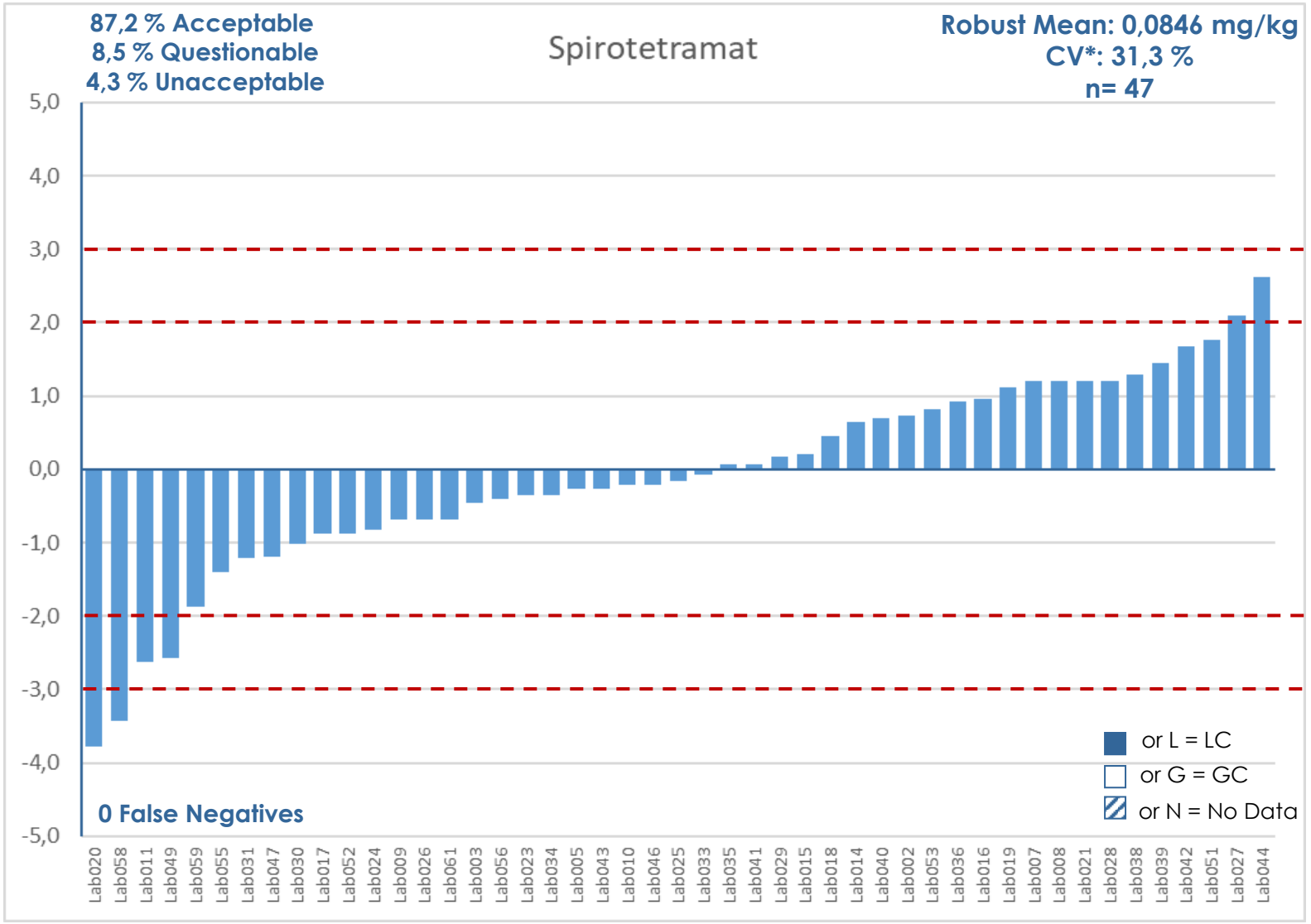

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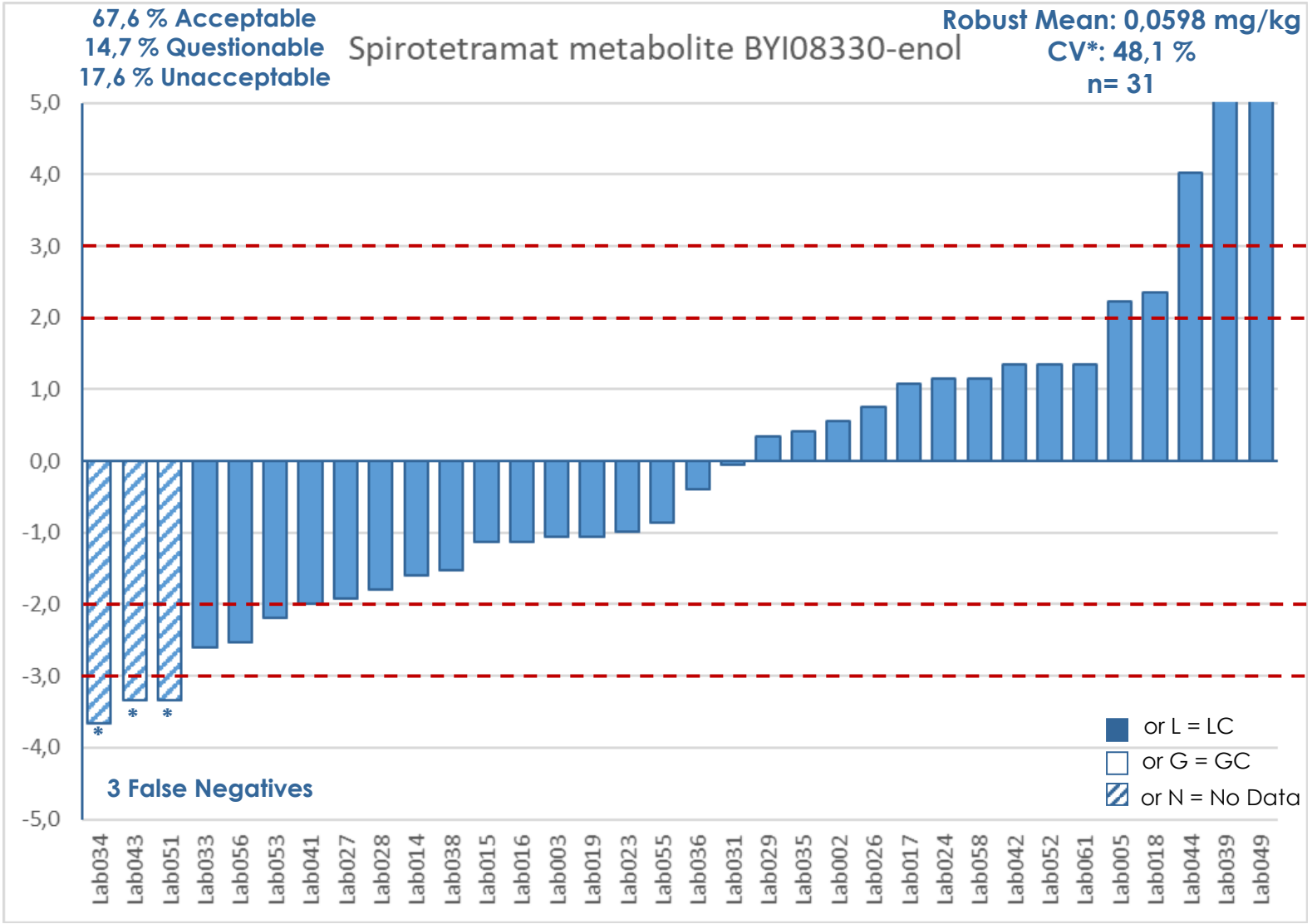

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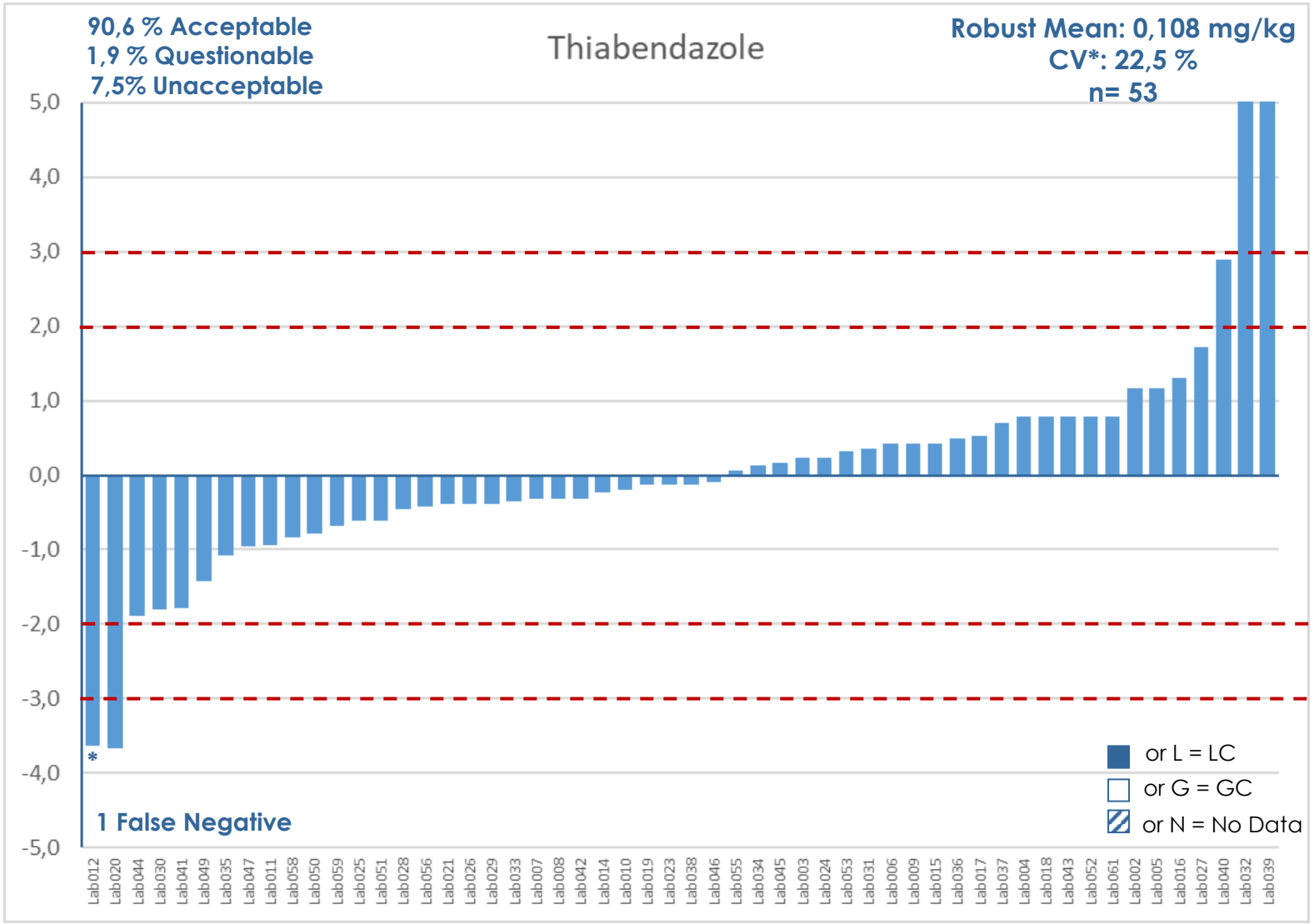


Combined z-Scores

Average of Squared z-Scores

Category A

Laboratories that were able to analyse at least **90% of the compulsory pesticides in the target pesticides list**, that detected and quantified at least **90 % of the pesticides present in the Test Item** and reported **no false positives.**

Average of Squared z-Scores

Category A

185

Laboratories that were able to analyse at least **90% of the compulsory pesticides in the target pesticides list**, that detected and quantified at least **90 % of the pesticides present in the Test Item** and reported **no false positives.**

Average of Squared z-Scores

Category A

185

Laboratories that were able to analyse at least **90% of the compulsory pesticides in the target pesticides list**, that detected and quantified at least **90 % of the pesticides present in the Test Item** and reported **no false positives.**

17

Average of Squared z-Scores

Category A

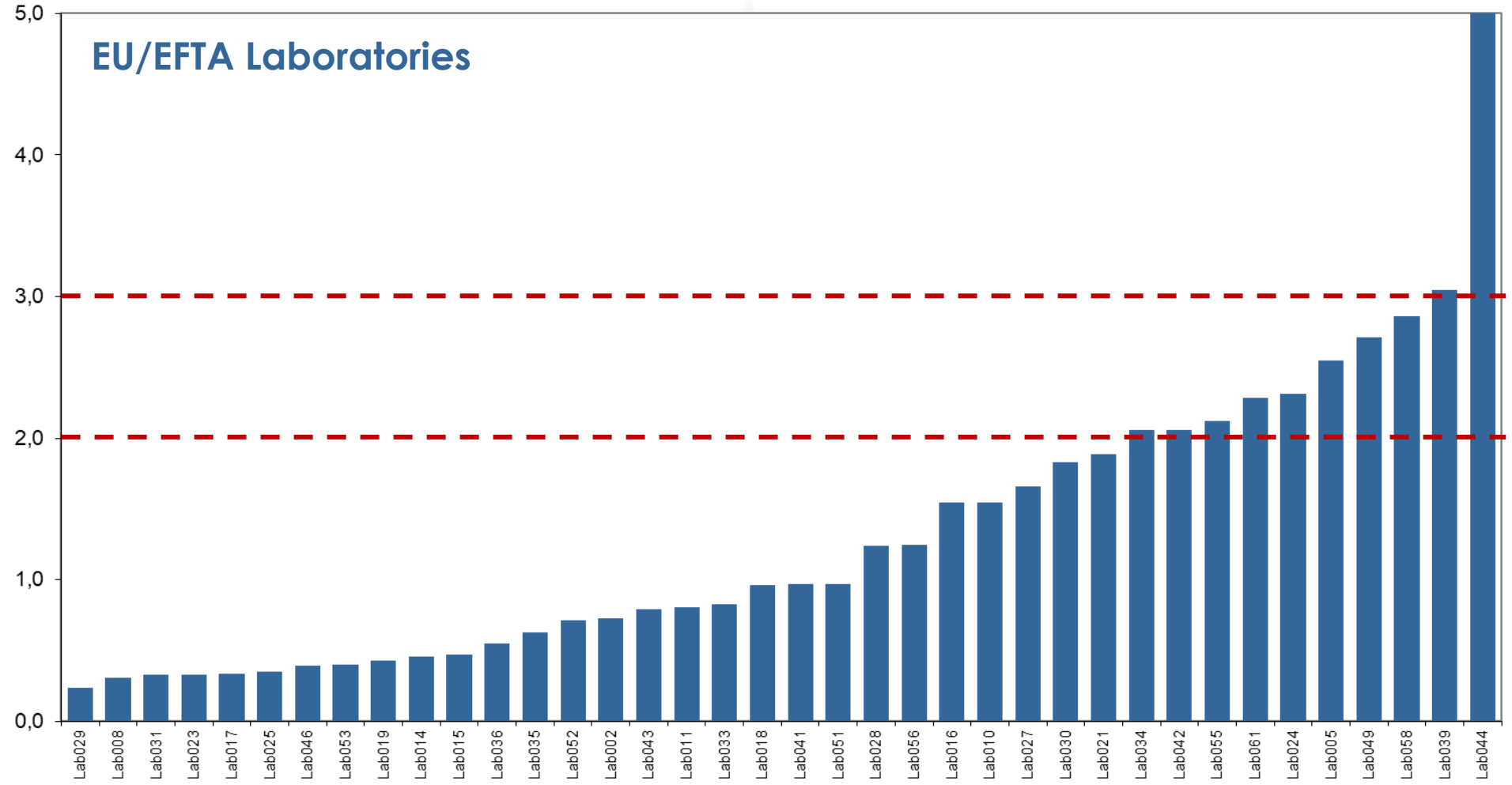
185

Laboratories that were able to analyse at least **90% of the compulsory pesticides in the target pesticides list**, that detected and quantified at least **90 % of the pesticides present in the Test Item** and reported **no false positives.**

17

Carbofuran-3- hydroxy, omethoate and fipronil sulfone were not included in the evaluation of Category A

Category A Clasification



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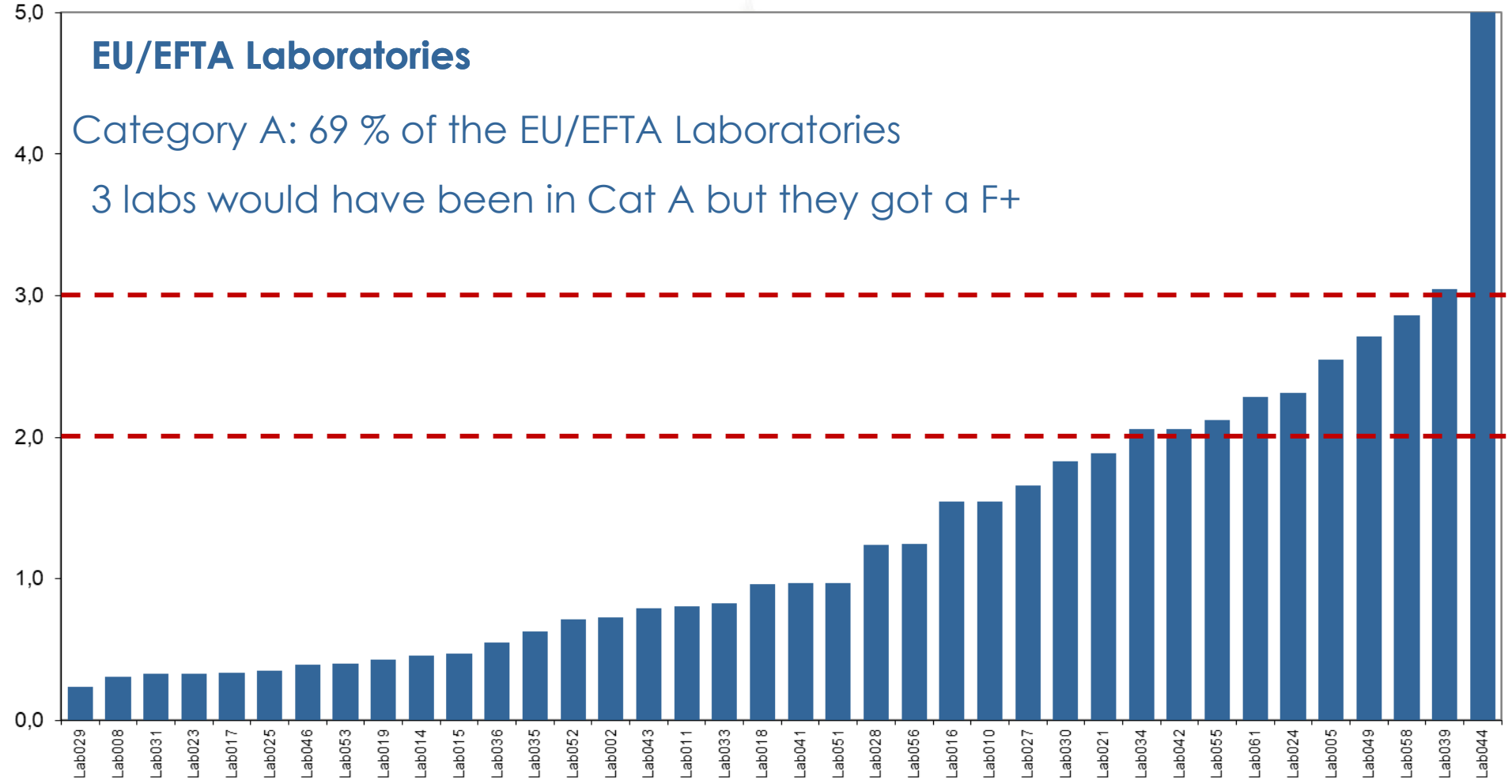

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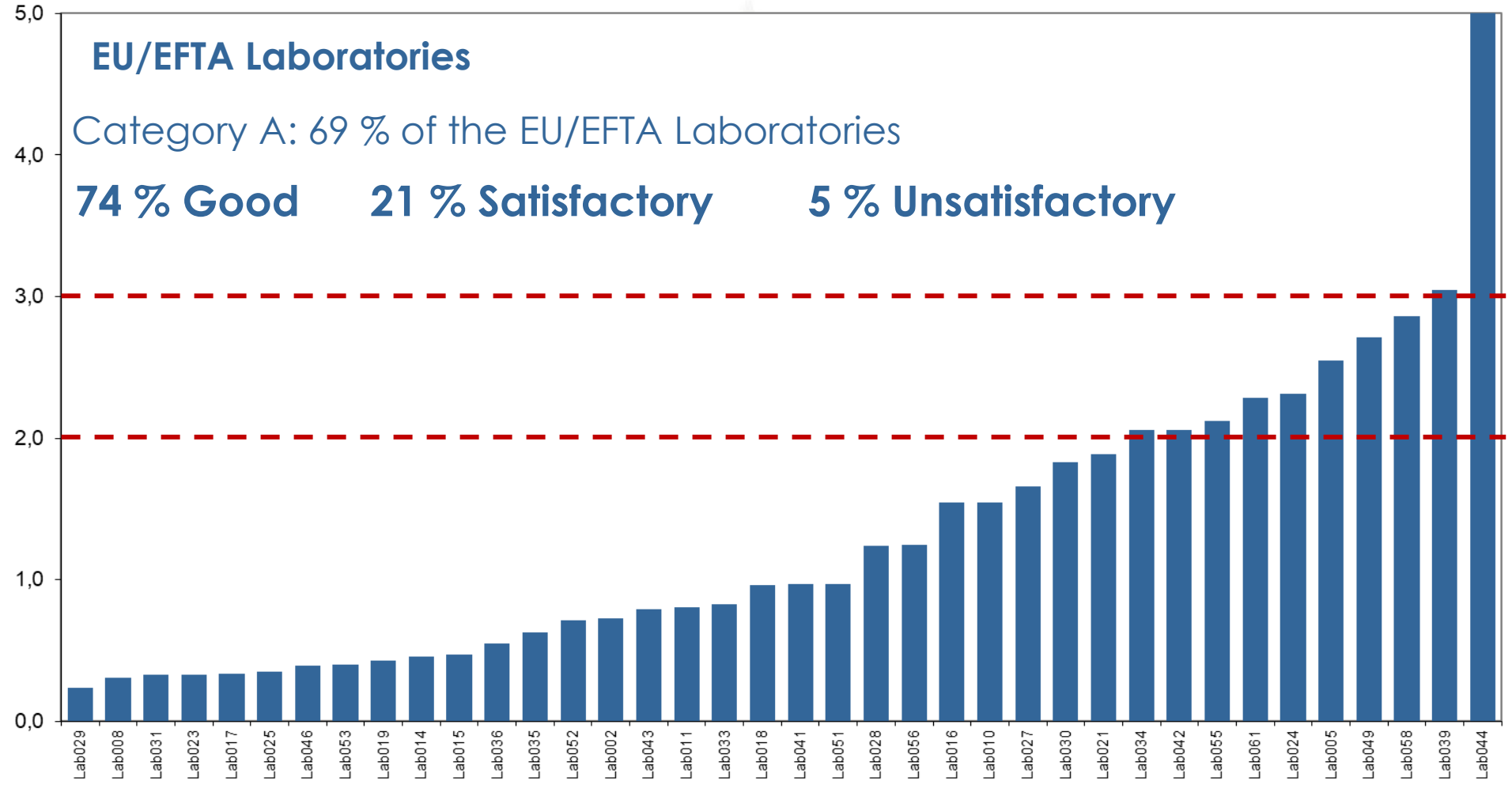

False Positives

7 laboratories reported **8** pesticides as false positives (including non-EU/EFTA)

Lab Code	Pesticide	Reporting level (mg/kg)	Concentration (mg/kg)	Determination technique
Lab047	Azinphos-methyl	0,01	0,133732643	LC-QQQ-MS/MS
Lab012	Etofenprox	0,01	0,0878	LC-QQQ-MS/MS
Lab032	Formetanate (expressed as formetanate (hydrochloride))	0,01	0,241	LC-QQQ-MS/MS
Lab007	Prothioconazole (Prothioconazole-desthio) (sum of isomers)	0,01	0,21	LC-Orbitrap-MS
Lab062	Tebuconazole	0,01	0,02	LC-QQQ-MS/MS GC-QQQ-MS/MS
Lab038	Triadimenol (any proportion of constituent isomers)	0,01	0,0882	LC-QQQ-MS/MS
Lab059	Triadimenol (any proportion of constituent isomers)	0,01	0,016	LC-QQQ-MS/MS GC-QQQ-MS/MS
Lab062	Triadimenol (any proportion of constituent isomers)	0,01	0,05	LC-QQQ-MS/MS GC-QQQ-MS/MS

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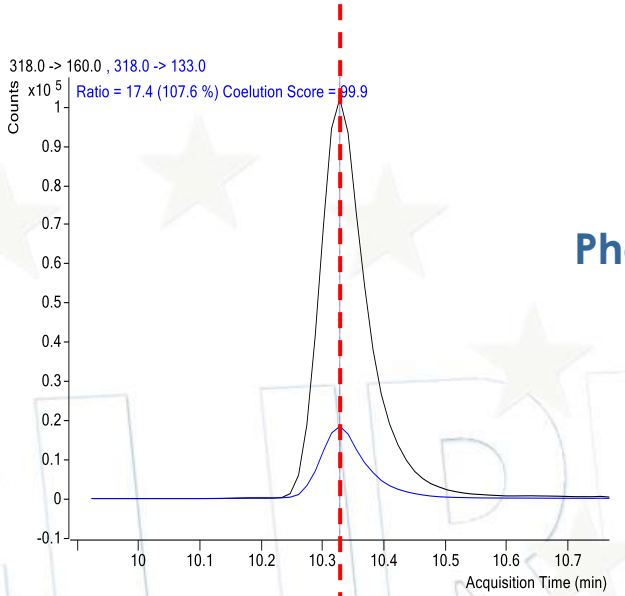
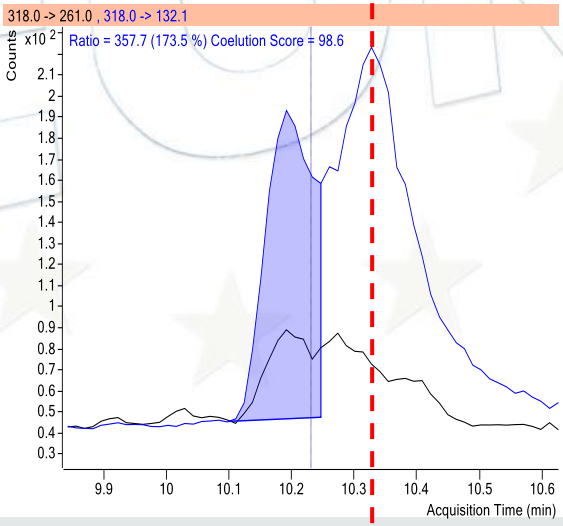
Lab047 False negative for Phosmet

False Positives

Azinphos-mehtyl



Phosmet (SC03 sample)



Azinphos-methyl transitions (SC03 sample)

False Positives

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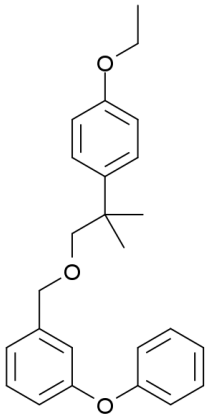
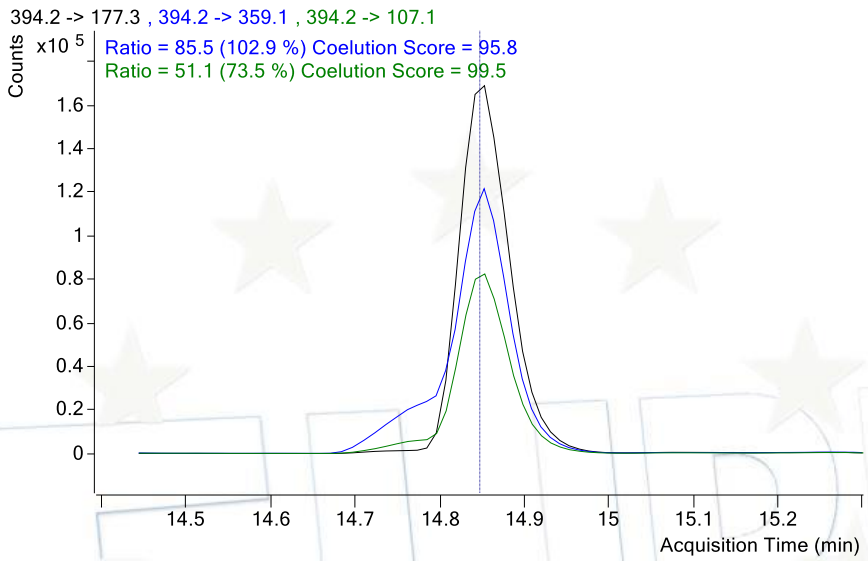
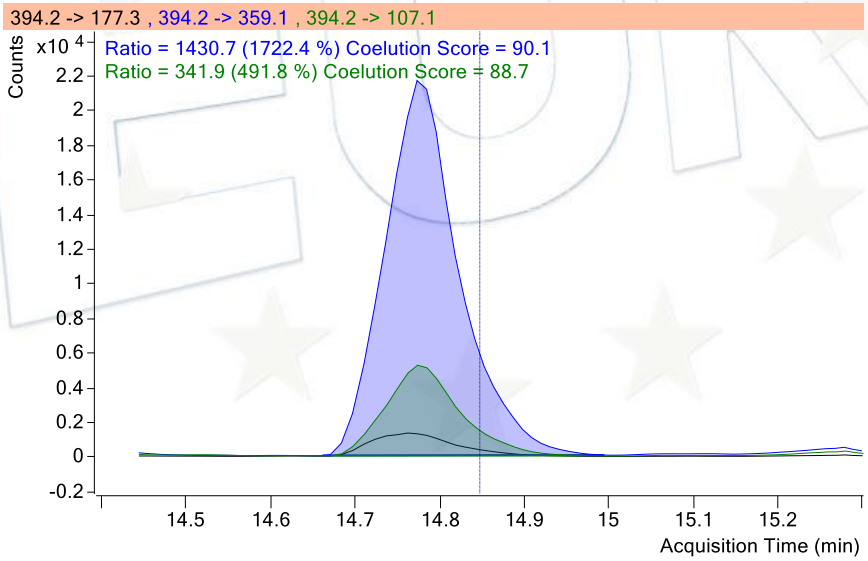
False Positives

Etofenprox





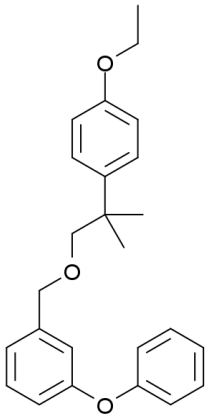
Std. etofenprox in avocado 0.500 mg/L

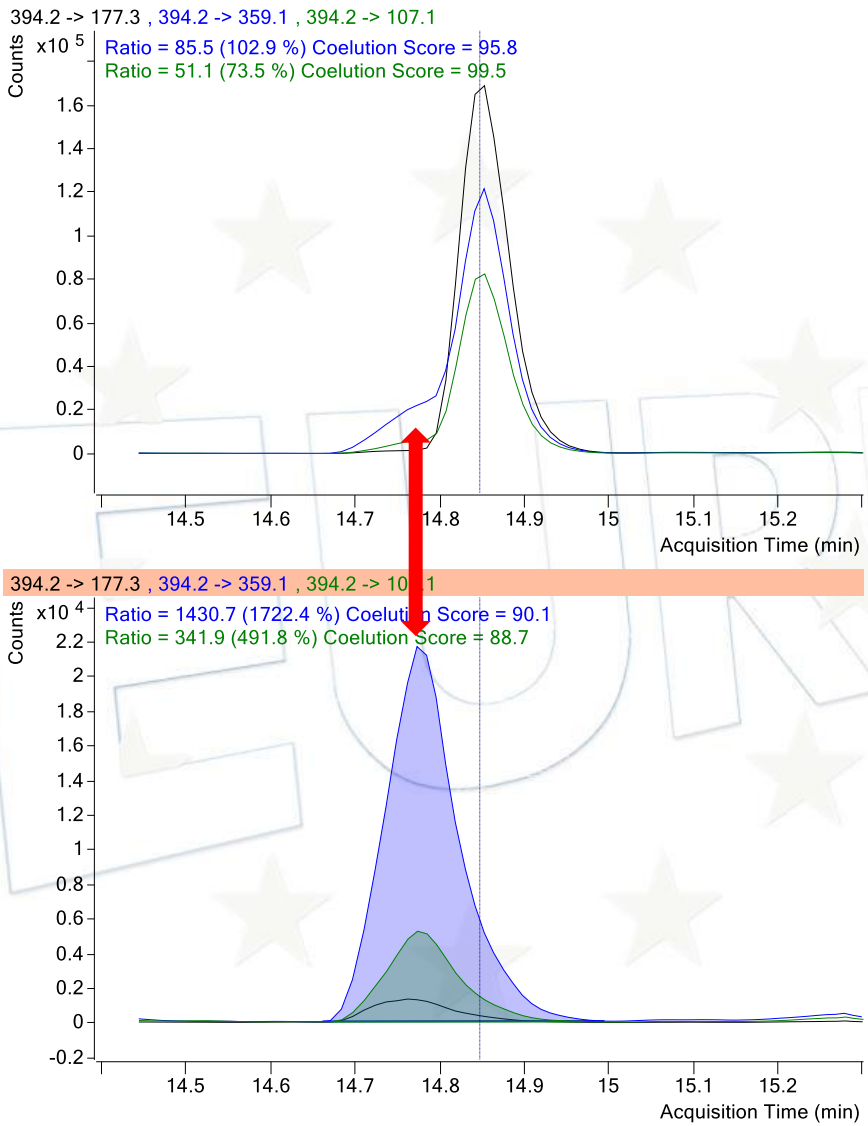


EUPT-SC03 sample

False Positives

Etofenprox



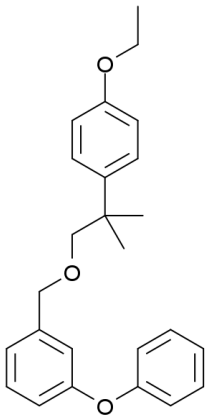


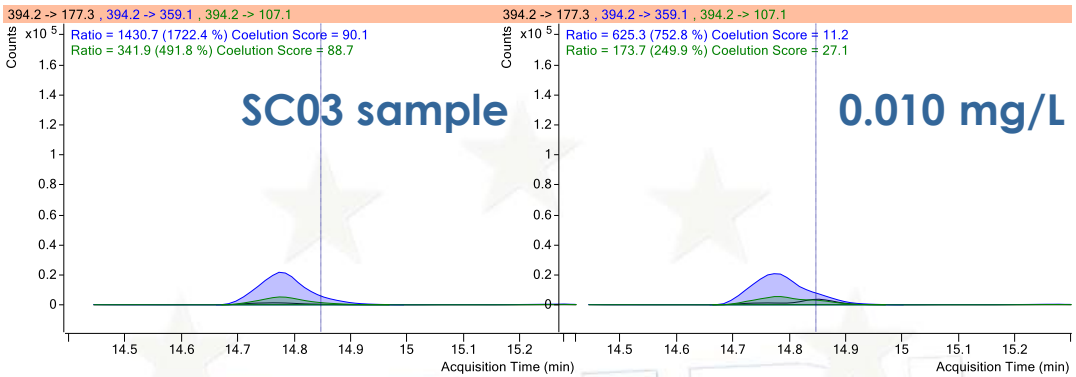
Std. etofenprox in avocado 0.500 mg/L

EUPT-SC03 sample

False Positives

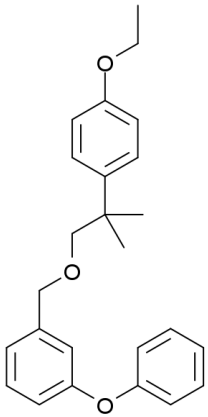
Etofenprox

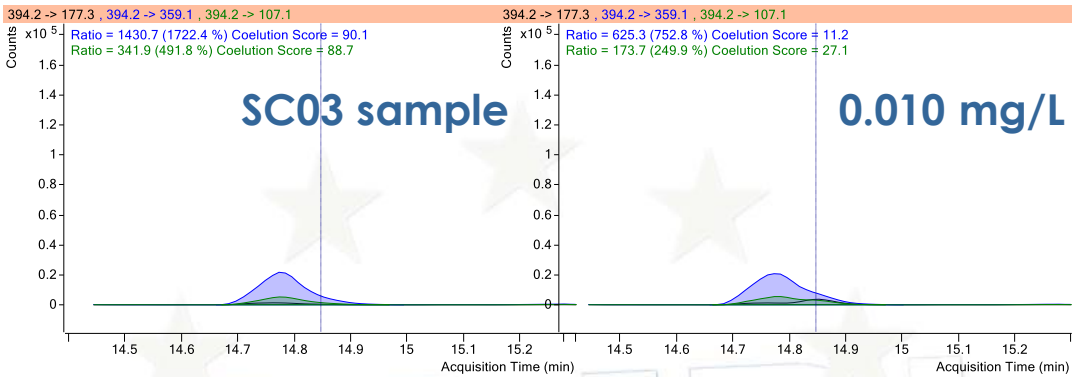


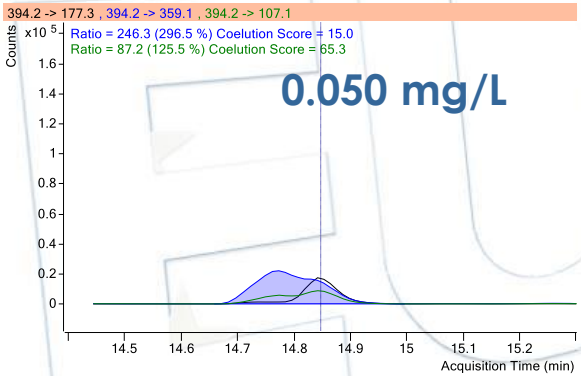


False Positives

Etofenprox

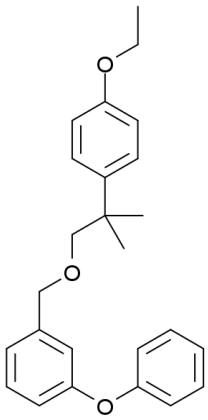


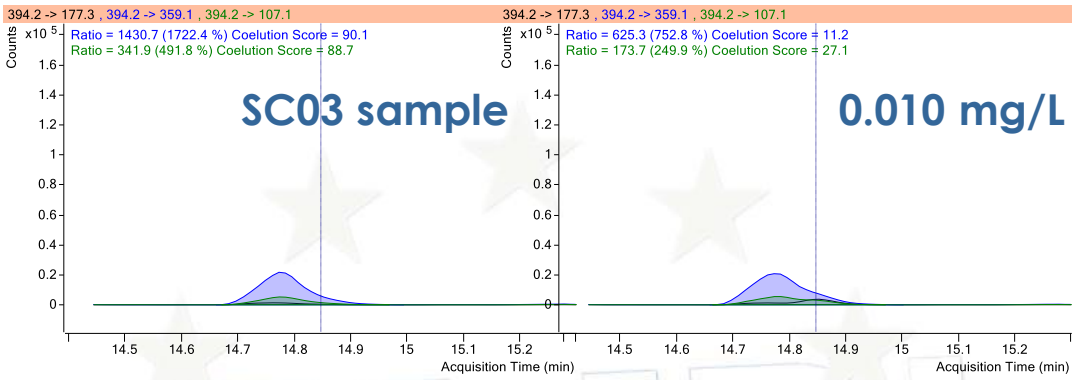


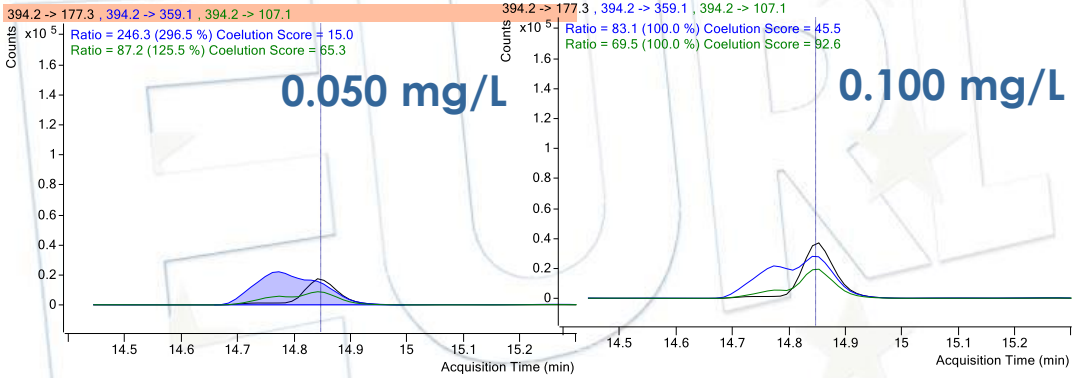


False Positives

Etofenprox







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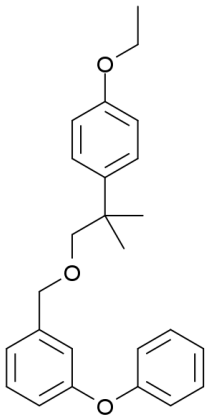

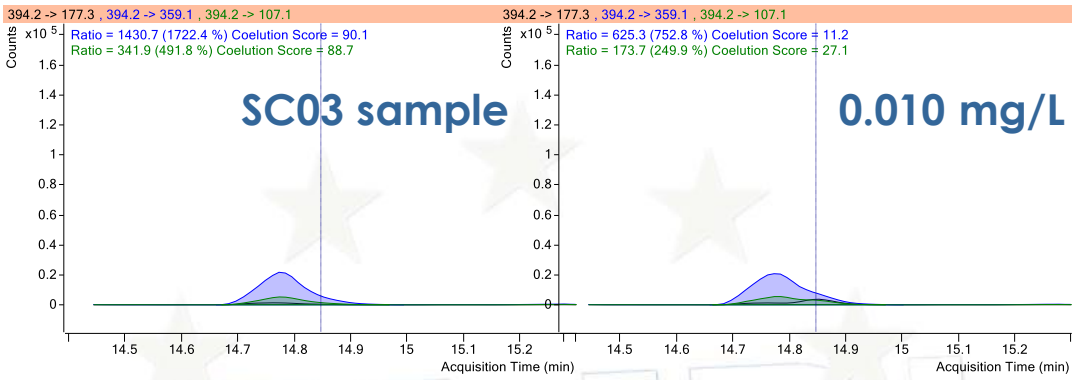

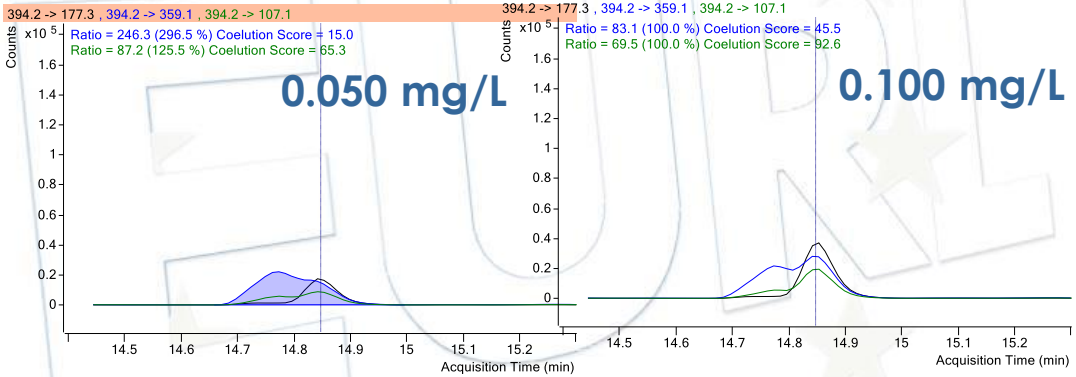

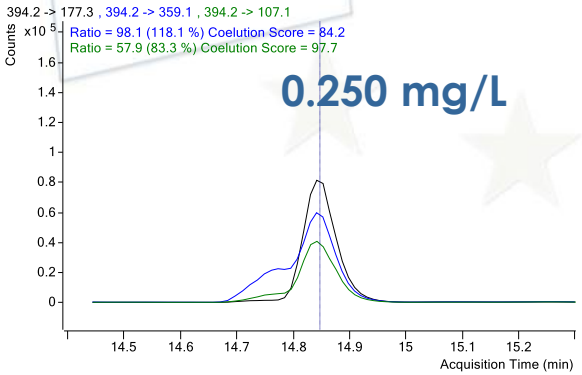

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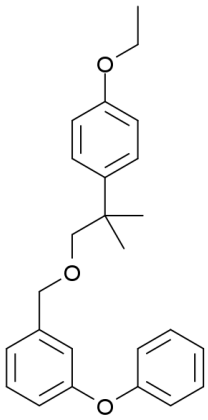

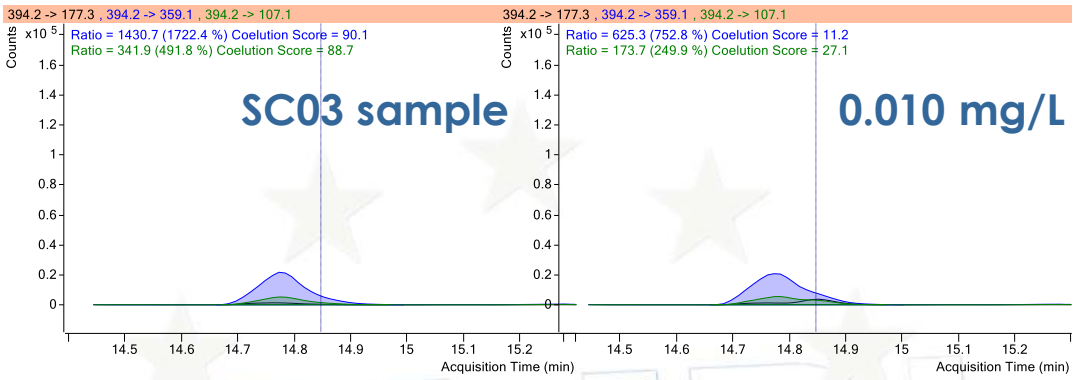

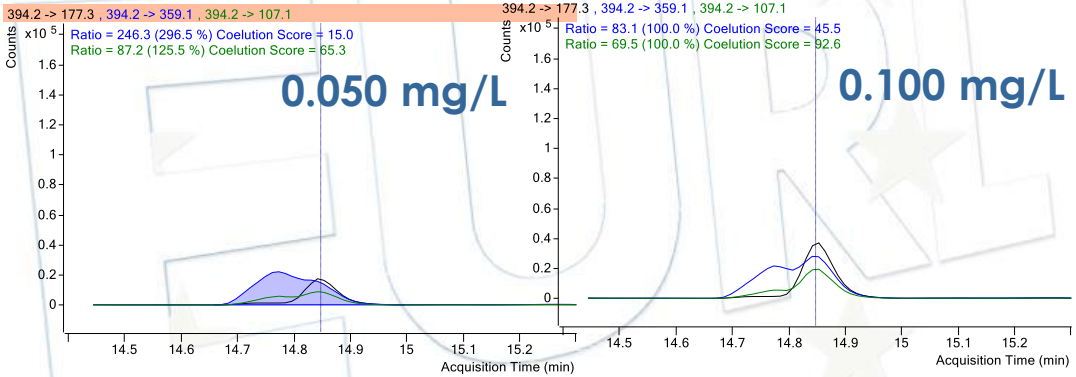

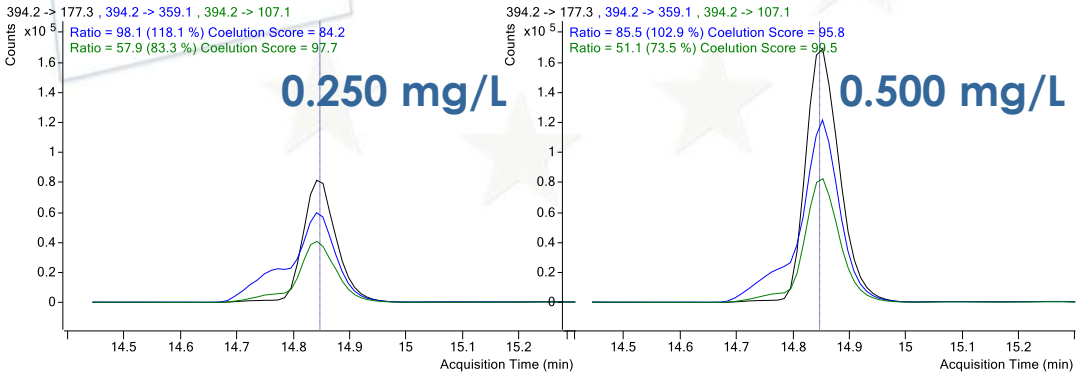

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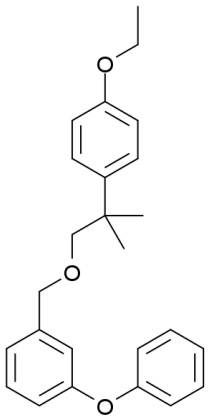

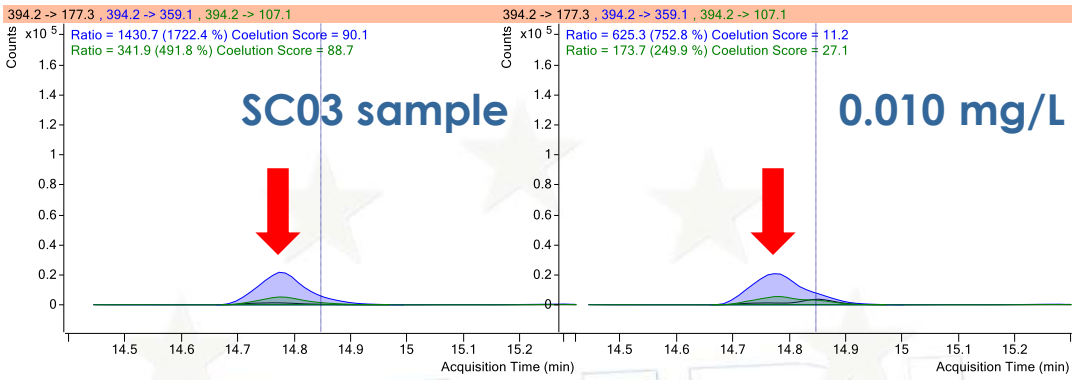

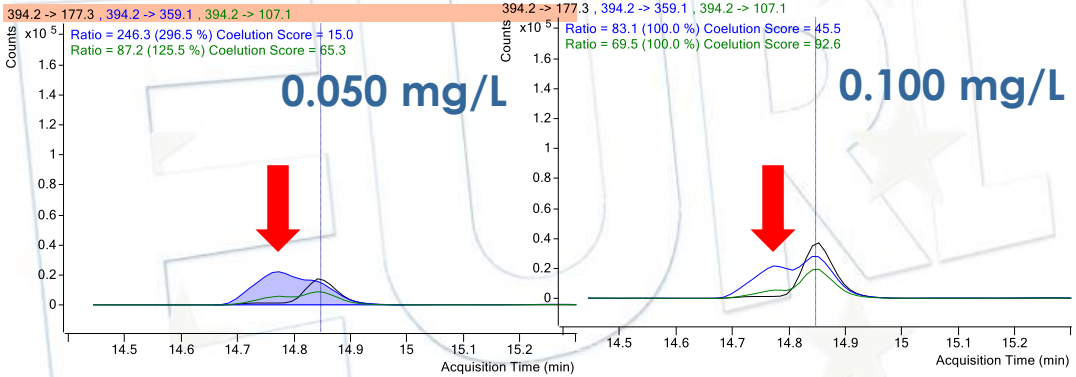

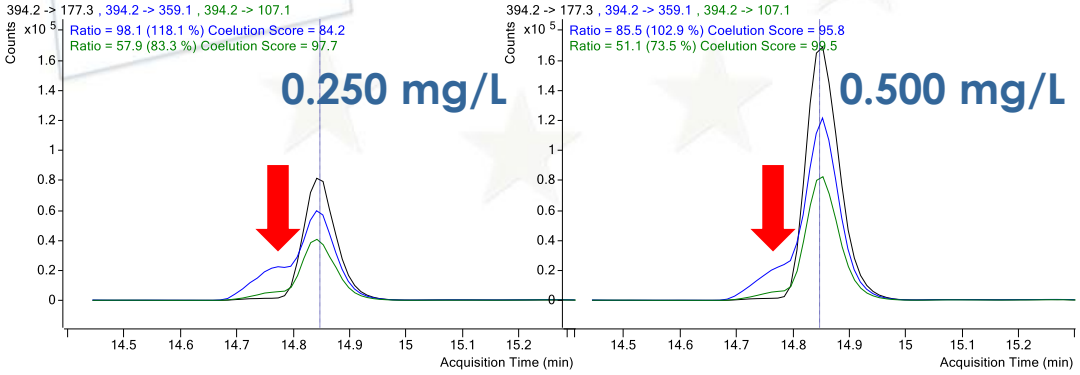

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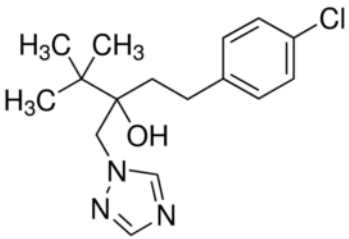
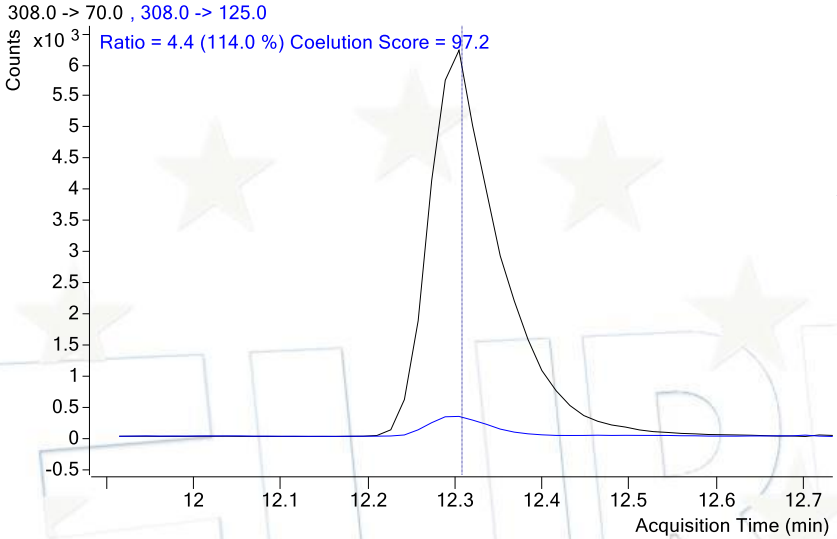
Lab012	Etofenprox	0,01	0,0878	LC-QQQ-MS/MS
Lab032	Formetanate (expressed as formetanate (hydrochloride))	0,01	0,241	LC-QQQ-MS/MS
Lab007	Prothioconazole (Prothioconazole-desthio) (sum of isomers)	0,01	0,21	LC-Orbitrap-MS
Lab062	Tebuconazole	0,01	0,02	LC-QQQ-MS/MS GC-QQQ-MS/MS
Lab038	Triadimenol (any proportion of constituent isomers)	0,01	0,0882	LC-QQQ-MS/MS
Lab059	Triadimenol (any proportion of constituent isomers)	0,01	0,016	LC-QQQ-MS/MS GC-QQQ-MS/MS
Lab062	Triadimenol (any proportion of constituent isomers)	0,01	0,05	LC-QQQ-MS/MS GC-QQQ-MS/MS

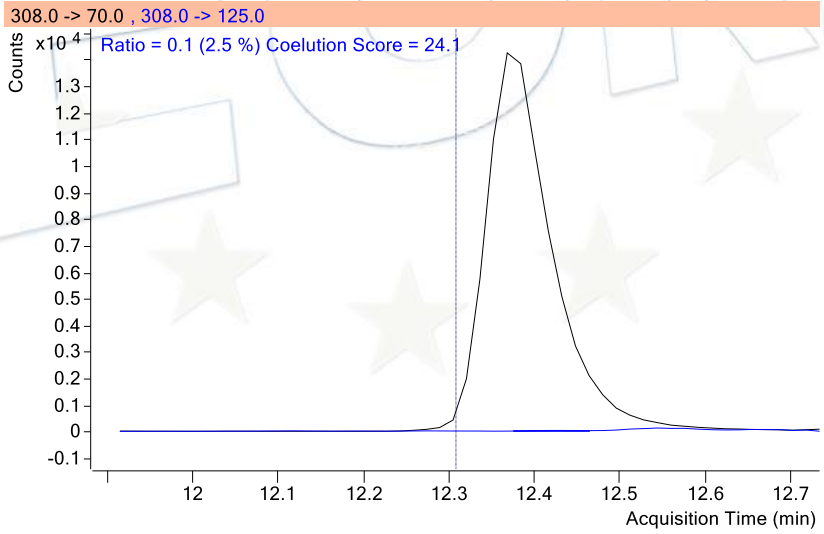
False Positives

Tebuconazole





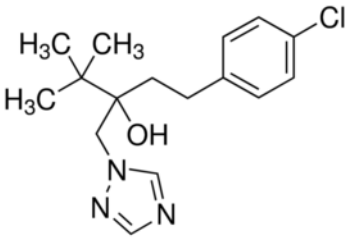
Std. Tebuconazole in avocado

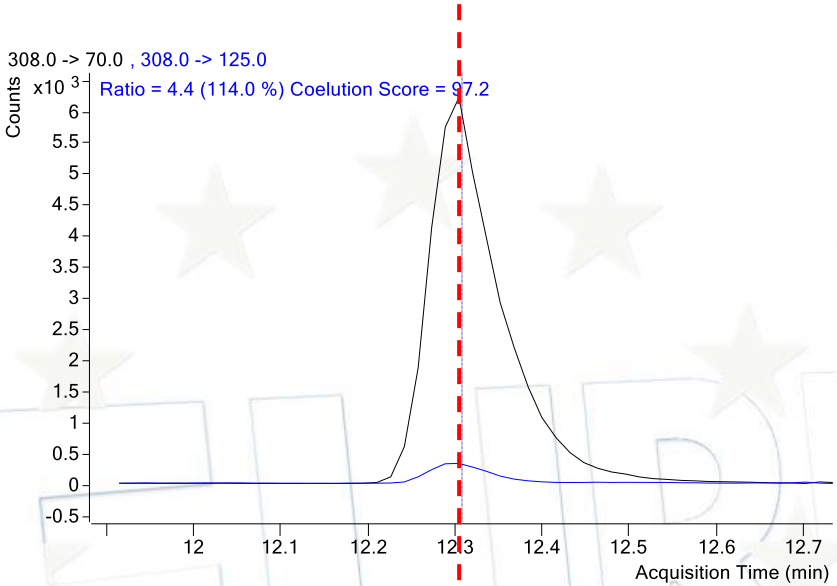


EUPT-SC03 sample

False Positives

Tebuconazole





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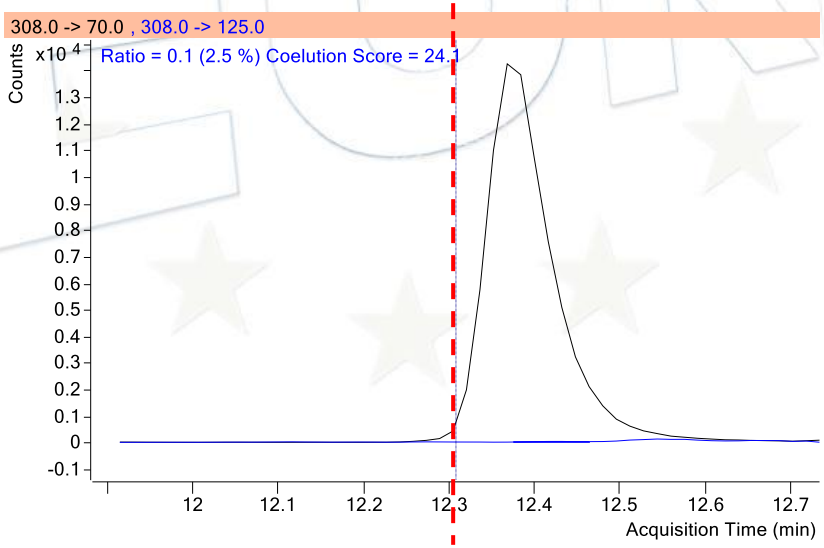
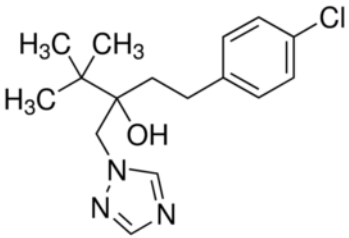
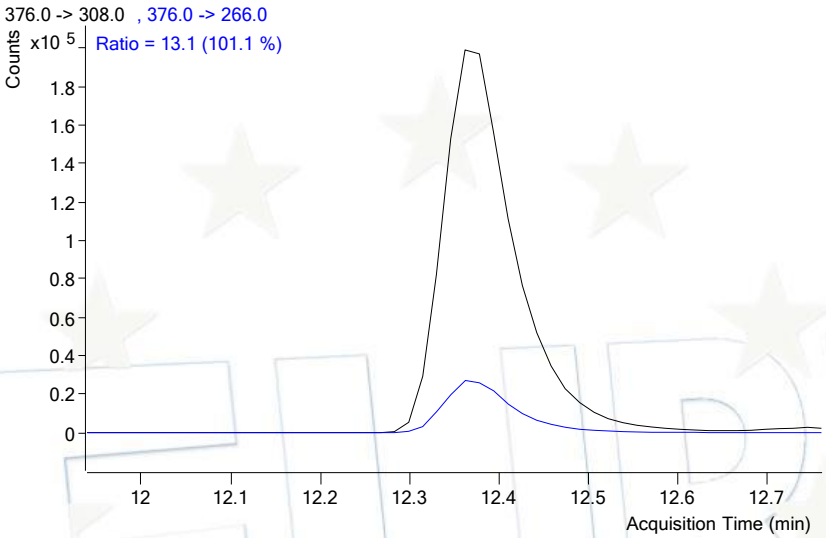


EUPT-SC03 sample

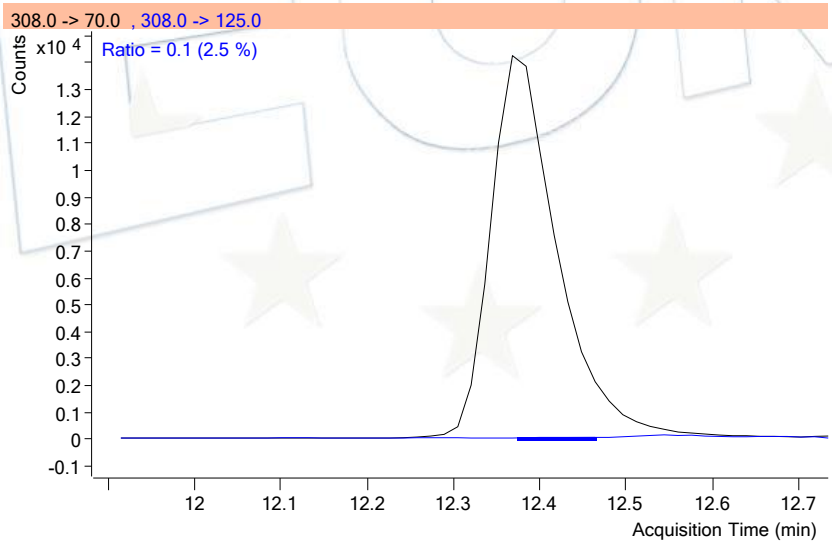
False Positives

Tebuconazole





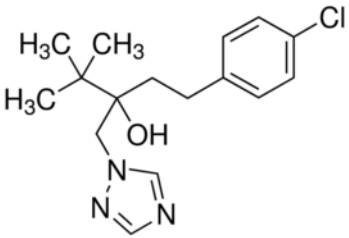
Prochloraz in SC03 sample
(Prochloraz's acquisition window)

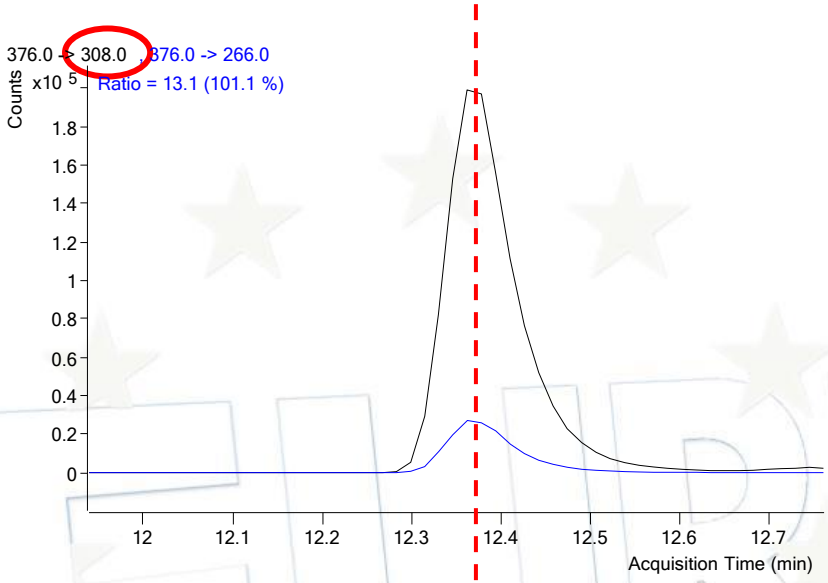


Prochloraz in SC03 sample
(Tebuconazole's acquisition window)

False Positives

Tebuconazole





Prochloraz in SC03 sample
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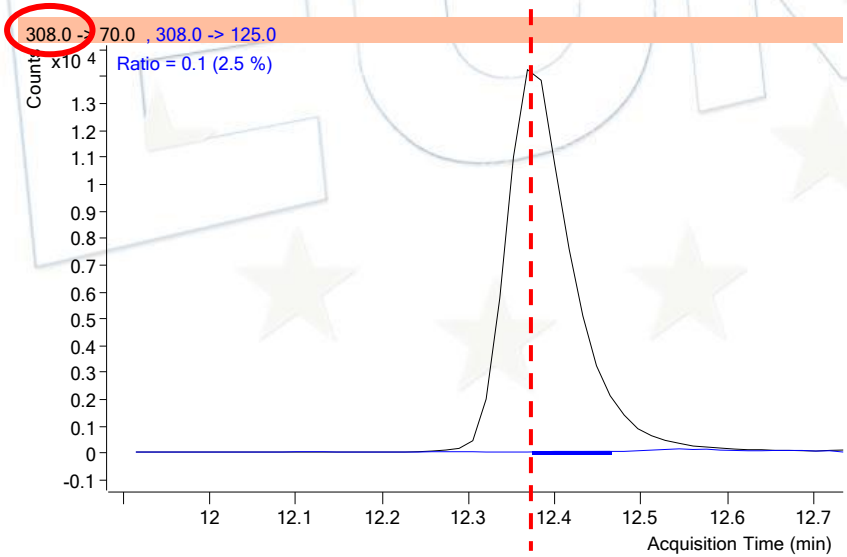

Prochloraz in SC03 sample
(Tebuconazole's acquisition window)

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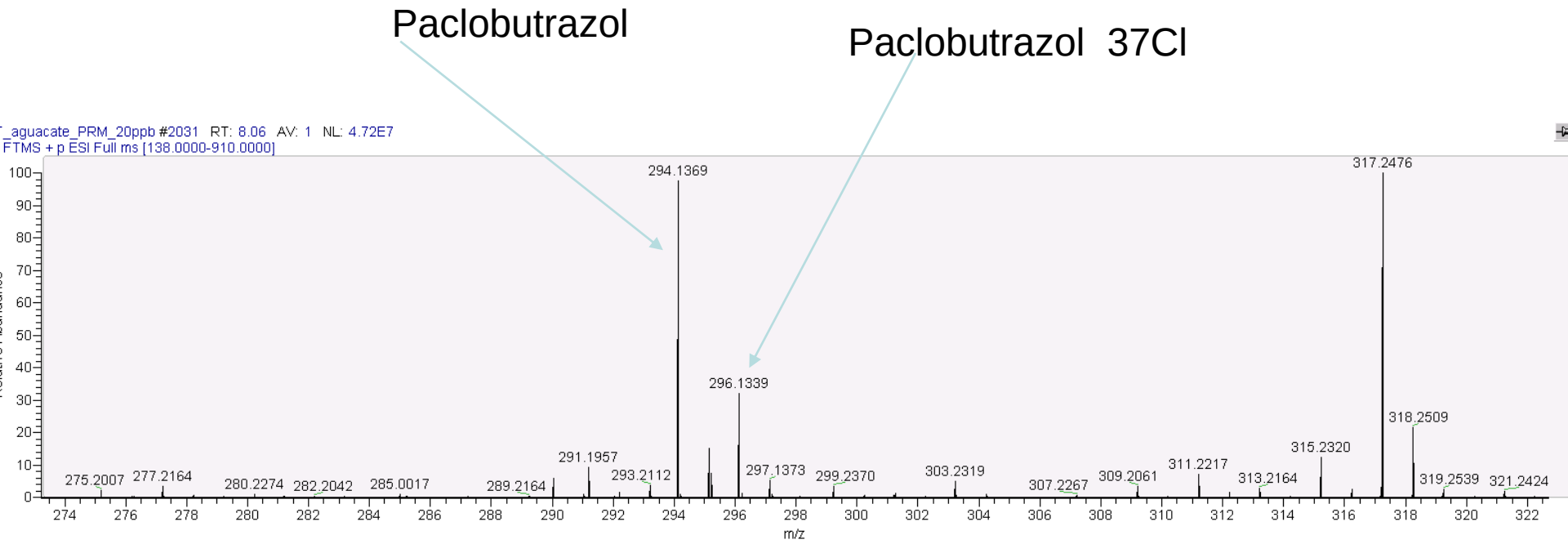
False Positives

Triadimenol

LC-Orbitrap-Full scan

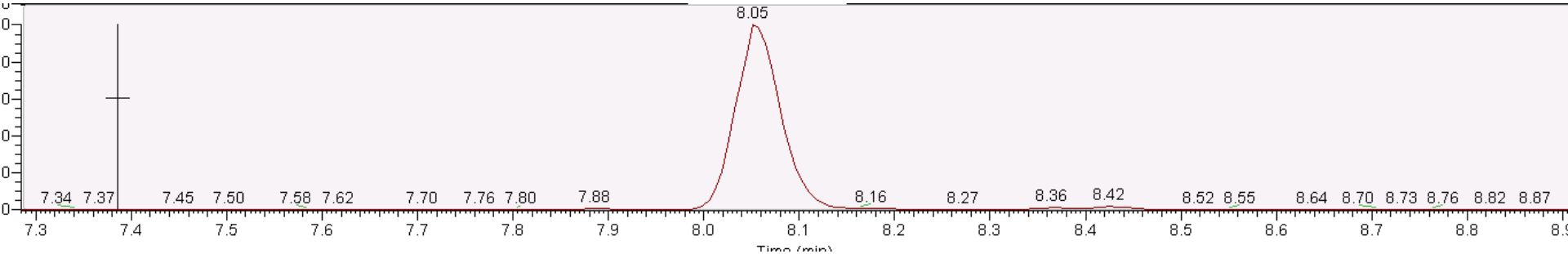


False Positives

Triadimenol

LC-Orbitrap-Full scan

Transition 296->70

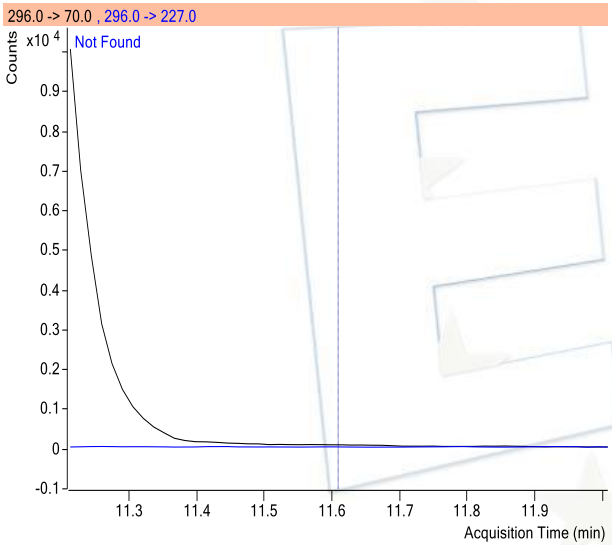


False Positives

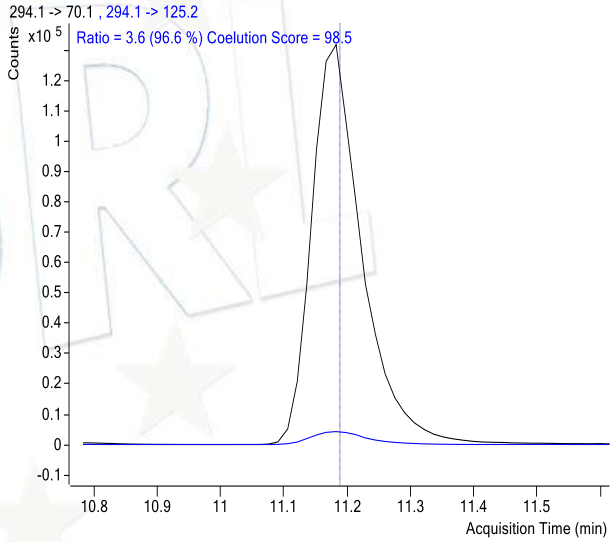
Triadimenol

LC-MS/MS (QQQ)

Paclobutrazol standard
(Triadimenol's acquisition window)



Paclobutrazol standard
(Paclobutrazol's acquisition window)



EUPT-SC04

End of 2020-Beginning 2021

Sultana Raisins

EUPT-SC04

ACTIVITY	DATE
Opening Registration period	23rd October 2020
Deadline for receiving Application Form from laboratories.	16th November 2020
Sample distribution	30th November 2020
Deadline for receiving results	15th January 2021
Preliminary Report with statistical treatment	February 2021
Final Report	August 2021

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Sultana Raisins

Topics

EURL-FV Network
NRL-FV Network

Proficiency Tests
EUPT-FV-SC04 (2020)
EUPT-FV22 (2020)
EUPT-FV-SM12 (2020)
EUPT-FV-SC03 (2019)
EUPT-FV21 (2019)
EUPT-FV-SM11 (2019)
EUPT-Panel Meeting
EUPT-FV Archive

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2020 FV Workshop
Workshop Overview
EURL Webinars
Trainings

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AQC Panel
NEW EU Procedures
EU Procedures Help
QC Documents
AG-Workshop

Library
LIST OF METHODS
Last Publications
CODEX Contributions
Conference Contributions
News Archive

About us
EURL-FV Accreditation
Work Programme
Our Team

EUPT-FV-SC04

EURL
European Union Reference Laboratory for Pesticide Residues in Fruits & Vegetables
EUPT-FV-SC04
European Proficiency Test FV-SC04

Overview

- EUPT-FV-SC04 - Registration Form
- EUPT-FV-SC04 - General Protocol
- EUPT-FV-SC04 - **Specific Protocol** (Available Soon)
- EUPT-FV-SC04 - Target List (excel file) Target list in pdf
- EUPT-FV-SC04 - **Results Form (.xlsx)** **Results Form (.xls) older office versions** (Available Soon)
- EUPT-FV-SC04 - Calendar Please note that the Calendar may be subject to minor changes.

We would like to announce the third European Proficiency Test for Pesticide Residues in Special Commodities (EUPT-FV-SC04, **Sultana Raisins**), organised by the European Union Reference Laboratory for Residues of Pesticides in Fruits and Vegetables on behalf of the European Commission, Health and Food Safety Directorate-General (DG-SANTE).

This EUPT-FV-SC04 is directed at all National Reference Laboratories (NRLs) and all Official Laboratories (OfLs) in the EU Member States. Laboratories outside this EURL/NRL/OfL-Network may be allowed to participate on a case-by-case basis. Participation in this intercomparative study remains on a **voluntary basis**. Given the limited material available, the registration forms will be accepted on a first come first served basis.

The test item, approximately 100 g of sultana raisins homogenate containing pesticide residues will be shipped to participants on 30th November 2020 (If any laboratory has holidays in the week of the shipment, please inform the organizer to rearrange the shipment). **No blank sample will be sent.**

The laboratories have to determine the residue levels and report the concentrations for each of the pesticides that they detect. The participants can download the

Quicklinks

EURL-DataPool
EU-MRLs Database (COM)
EU-Legisl. on MRLs (COM)
EU-Legisl. on PPPs (COM)
RASFF Portal DB (COM)
CIRCA BC Login
How to Use CIRCA BC
EURL Method Finder List

Pinboard
More Pinboard Messages...

Calendar
Oct 2020 Show

Topics

EURL-FV Network
NRL-FV Network

Proficiency Tests
EUPT-FV-SC04 (2020)
EUPT-FV22 (2020)
EUPT-FV-SM12 (2020)
EUPT-FV-SC03 (2019)
EUPT-FV21 (2019)
EUPT-FV-SM11 (2019)
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EUPT-FV Archive

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EURL-FV Accreditation
Work Programme
Our Team

EUPT-FV-SC04

EURL
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EUPT-FV-SC04
European Proficiency Test FV-SC04

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Thank You
for Your Attention

EURL EUROPEAN UNION REFERENCE LABORATORY