

Fapas® – Food Chemistry Proficiency Test 19407
30 May 2024
Cucumber Purée Test Material

Fera Science Ltd (Fera)
York Biotech Campus
Sand Hutton
York, UK
YO41 1LZ

Tel: +44 (0)1904 462100
info@fapas.com
fapas.com

Test Material(s) dispatched:

Cucumber Purée test material(s), as appropriate to your order,
PLEASE NOTE: Test materials were dispatched frozen and may
have thawed in transit but will still be suitable for analysis.



Instructions:

- 1) Treat the test material as if it was a sample for routine analysis. You may use any method of analysis you wish but PLEASE NOTE:
 - You are advised to keep the material frozen until analysis.
- 2) The test material may contain any number of residues from Table 1, below.
- 3) Determine the level of residues present in the test material **in the material in the form it is received (no further correction for wet weight or dry weight or reconstitution)** together with the percentage (%) recovery.
- 4) For **all pesticide residues**, please report your **result and limit of quantification (LoQ) in µg/kg**.
 - All residues are to be reported **as specified in Table 1, below**. If this is not possible, use the comments box to note any residues that are *not* reported in the form specified.
 - For each residue, select either "Not Detected", "Not Tested" or "Provide Result".
 - Enter a default value for "% recovery" and "limit of quantification (LoQ)".
 - AFTER you have entered your results for each residue you MUST review and if necessary, edit the values for "% recovery" and "limit of quantification (LoQ)" that differ from the default value you gave.

PLEASE NOTE: It is important that you report the results in this way so that we can include as many results as possible in the statistical analysis.

- 5) This is an identification and quantification proficiency test. Therefore, if you analyse for a residue that is in the test material, and do not identify it, and your limit of quantification is below the level needed for a z-score of **-3.0**, or you do not enter an LoQ, you will be assessed as if your result was zero.
- 6) If your LoQ is not in the format requested, it will be regarded as zero.
- 7) Instructions on how to enter your results and methods via the secure web page can be downloaded from the relevant link at: fapas.com/technical-documentation.
 - You may submit more than one set of results.
 - By default, the **first** set of results you enter are those that will be assessed in the report BUT you may instead choose any additional entries.
- 8) When you enter your results, comments and methods please ensure you:
 - Use English, as it is the default international language.
 - Use Western characters. Entries made in other characters will be captured as symbols that are not readable.

Please ensure you submit your data no later than:

closing date 15 July 2024

You are reminded that the ability to report results in the specified units and within the given time scale are part of the proficiency test.

Please note that collusion between participants is contrary to professional scientific conduct and, as indicated in our Protocols (available at: fapas.com/technical-documentation), is strongly discouraged.

In July/August 2024 a statistical report on the performance of participating laboratories will be published on our secure web site. This report will be confidential and will reveal only the number assigned to your laboratory. It will not list the identities of participants.

If you have any problems, please contact Fapas® immediately, email: info@fapas.com, tel: +44 (0)1904 462100.

Simon Hunter, Michael Knaggs

Proficiency Test Co-ordinators

On behalf of Fapas®

Table 1: Potential Pesticide Residues in Fapas® – Food Chemistry Proficiency Test 19407

This Cucumber Purée test material may contain any number of the following analytes:

1,4-dimethylnaphthalene	2,4-D (free acid only)	2-phenylphenol (ortho-phenylphenol)	6-benzylaminopurine	abamectin (sum of avermectin B1a and B1b only)
acephate	acetamiprid	acetochlor	aclonifen	acrinathrin
aldicarb	aldicarb-sulfone (aldoxycarb)	aldicarb-sulfoxide	aldrin	ametoctradin
amidosulfuron	atrazine	azinphos-ethyl	azinphos-methyl	azoxystrobin
benalaxyl	bendiocarb	benthiavalicarb-isopropyl	bifenthrin (sum of isomers)	biphenyl
bitertanol	boscalid	bromophos-ethyl	bromopropylate	bromuconazole (sum of diastereoisomers)
bupirimate	buprofezin	cadusafos	carbaryl	carbendazim
carbofuran	carbofuran (3-hydroxy)	carboxin	chlorantraniliprole (rynaxypyr)	chlordane (cis)
chlordane (oxy)	chlordane (trans)	chlorfenapyr	chlorfenvinphos (sum of E and Z isomers)	chloridazon
chlorobenzilate	chlorothalonil	chlorpropham	chlorpyrifos (ethyl)	chlorpyrifos-methyl
chlorthal-dimethyl	clofentezine	clothianidin	coumaphos	cyantraniliprole
cyazofamid	cyflufenamid	cyfluthrin (sum of constituent isomers)	cyhalothrin-lambda (includes cyhalothrin-gamma) (sum of R,S and S,R isomers)	cymoxanil
cypermethrin (sum of constituent isomers)	cyproconazole	cyprodinil	cyromazine	DDD-pp (TDE)
DDE-pp	DDT-op	DDT-pp	deltamethrin	demeton-S-methyl

demeton-S-methyl-sulfone	demeton-S-methyl-sulfoxide (oxydemeton-methyl)	diafenthiuron	diazinon	dichlorvos
dicloran	dicofol (sum of p,p' and o,p' isomers)	dicrotophos	dieldrin	diethofencarb
difenoconazole	diflubenzuron	dimethoate	dimethomorph (sum of isomers)	dimoxystrobin
diniconazole	dinotefuran	diphenylamine	disulfoton	disulfoton-sulfone
disulfoton-sulfoxide	diuron	dodine	emamectin (as emamectin benzoate B1a, expressed as emamectin)	endosulfan I (alpha)
endosulfan II (beta)	endosulfan-sulfate	endrin	EPN	epoxiconazole
ethiofencarb	ethiofencarb-sulfone	ethiofencarb-sulfoxide	ethion	ethirimol
ethoprophos	etofenprox	etoxazole	etrimfos	famoxadone
fenamidone	fenamiphos	fenamiphos-sulfone	fenamiphos-sulfoxide	fenarimol
fenazaquin	fenbuconazole	fenbutatin oxide	fenhexamid	fenitrothion
fenoxy carb	fenpropathrin	fenpropidin (sum of fenpropidin and its salts, expressed as fenpropidin)	fenpropimorph (sum of isomers)	fenpyrazamine
fenpyroximate	fensulfothion	fensulfothion-oxon	fensulfothion-oxon-sulfone	fensulfothion-sulfone
fenthion (parent compound only)	fenthion-sulfone	fenthion-sulfoxide	fenvalerate (sum of constituent isomers in any ratio including esfenvalerate)	fipronil (parent compound only)
fipronil-sulfone	flonicamid	fluazifop (free acid)	fluazinam	flubendiamide
flucythrinate	fludioxonil	flufenacet (parent compound only)	flufenoxuron	fluopicolide
fluopyram	Fluoxastrobin (sum of fluoxastrobin and its Z-isomer)	fluquinconazole	flusilazole	flutolanil
flutriafol	fluvalinate (tau)	fluxapyroxad	fonofos	fosthiazate
furathiocarb	haloxyfop (free acid)	HCB (hexachlorobenzene)	HCH-A (alpha hexachlorocyclohexane)	HCH-B (beta hexachlorocyclohexane)
HCH-G (gamma hexachlorocyclohexane / lindane)	heptachlor	heptachlor-epoxide (cis)	heptachlor-epoxide (trans)	heptenophos
hexaconazole	hexythiazox	imazalil	imidacloprid	indoxacarb (sum of indoxacarb and its R enantiomer)
iprodione	iprovalicarb	isocarbofos	isofenphos (ethyl)	isofenphos-methyl
isoprocarb	isoprothiolane	isoproturon	kresoxim-methyl	lenacil
linuron	lufenuron	malaoxon	malathion	mandipropamid

mecarbam	mepanipyrim	mepronil	metaflumizone (sum of E and Z isomers)	metalaxyl (sum of constituent isomers including metalaxyl-M)
metamitron	metconazole	methacrifos	methamidophos	methidathion
methiocarb	methiocarb-sulfone	methiocarb-sulfoxide	methomyl	methoxychlor
methoxyfenozide	metolachlor (sum of constituent isomers including S-metolachlor)	metrafenone	metribuzin	mevinphos (sum of E and Z isomers)
molinate	monocrotophos	monolinuron	myclobutanil	nitrofen
novaluron	omethoate	oxadiazon	oxadixyl	oxamyl
oxyfluorfen	paclobutrazol	parathion (-ethyl)	parathion-methyl	penconazole
pencycuron	pendimethalin	penflufen	pentachloroaniline	penthiopyrad
permethrin (sum of isomers)	phenthoate	phorate	phorate-sulfone	phorate-sulfoxide
phosalone	phosmet	phosphamidon	phoxim	phthalimide
picoxystrobin	piperonyl butoxide	pirimicarb	pirimicarb (desmethyl)	pirimiphos-ethyl
pirimiphos-methyl	prochloraz (parent compound only)	procymidone	profenofos	promecarb
prometryn	propamocarb	propargite	propetamphos	propiconazole
propoxur	propyzamide	proquinazid	prosulfocarb	prothioconazole -desthio (sum of isomers)
prothiofos	pymetrozine	pyraclostrobin	pyrazophos	pyrethrin (sum)
pyridaben	pyridalyl	pyridaphenthion	pyrimethanil	pyriproxyfen
quassia	quinalphos	quinoxifen	quintozene	spinetoram
spinosad (sum of spinosyn A and D)	spiroadiclofen	spiromesifen	spirotetramat (parent compound only)	spirotetramat-enol (expressed as spirotetramat)
spiroxamine	sulfoxaflor	tebuconazole	tebufenozide	tebufenpyrad
tecnazene	teflubenzuron	tefluthrin	terbufos	terbufos-sulfone
terbufos-sulfoxide	terbuthylazine	tetrachlorvinphos	tetraconazole	tetradifon
tetramethrin (sum of constituent isomers)	TFNA	TFNG	thiabendazole	thiacloprid
thiamethoxam	thiodicarb	THPI	tolclofos-methyl	tolfenpyrad
tolyfluanid	triadimefon	triadimenol	triallate	triazophos
tricyclazole	trifloxystrobin	triflumuron	trifluralin	triticonazole
vinclozolin	zoxamide			