

DRRR proficiency tests for pesticides full analyte list



The DRRR proficiency tests are available for booking here: [Online portal \(ODIN\)](#) (search with keyword: "pesticide")
With the DRRR proficiency tests from the pesticide program, you benefit from the following advantages, among others:

- any number of analytes from this list may be present for identification and quantification in the single PT rounds
- important requirements for method validation according to SANTE 11312/2021 (1) fulfilled
- all relevant matrix groups (1.-9.) according to SANTE 11312/2021 (1) available
- use of current pesticides according to EU monitoring program
- laboratory evaluations considering the 70-120 recovery interval according to SANTE 11312/2021 (1)
- evaluation with state of the art statistics
- fast reporting after end of result submission

The proficiency test design takes into account customer requirements in collaboration with the recommendations of leading experts in pesticides analysis. The proficiency test sample design is constructed with 3 samples each, so that 2 different concentration ranges and a blank sample are covered.

(1) SANTE 11312/2021 Analytical quality control and method validation procedures for pesticide residues analysis in food and feed.

1-Naphthylacetamide and 1-naphthylacetic acid (sum of 1-naphthylacetamide and 1-naphthylacetic acid and its salts, expressed as 1-naphthylacetic acid)	Flusilazole
2,4-D (sum of 2,4-D, its salts, its esters and its conjugates, expressed as 2,4-D)	Flutriafol
Abamectin (sum of avermectin B1a, avermectin B1b and delta-8,9 isomer of avermectin B1a, expressed as avermectin B1a)	Fluvalinate (sum of isomers) resulting from the use of tau-fluvalinate
Acephate	Fluxapyroxad
Acetamiprid	Folpet (sum of folpet and phtalimide, expressed as folpet)
Aclonifen	Forchlorfenuron
Acrinathrin	Formetanate: Sum of formetanate and its salts expressed as formetanate (hydrochloride)
Aldicarb (sum of aldicarb, its sulfoxide and its sulfone, expressed as aldicarb)	Fosetyl-Al (sum of fosetyl, phosphonic acid and their salts, expressed as fosetyl)
Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin)	Fosthiazate
Anthraquinone	Glyphosate
Azadirachtin	Haloxypop (Sum of haloxypop, its esters, salts and conjugates expressed as haloxypop (sum of the R- and S- isomers at any ratio)) (R) (F)
Azinphos-ethyl	Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)
Azinphos-methyl	Hexachlorobenzene
Azoxystrobin	Hexachlorocyclohexane (HCH), alpha-isomer
Benzalkonium chloride (mixture of alkylbenzyltrimethylammonium chlorides with alkyl chain lengths of C8, C10, C12, C14, C16 and C18)	Hexachlorocyclohexane (HCH), beta-isomer
Bifenthrin (sum of isomers)	Hexaconazole
Bromide ion	Hexythiazox (any ratio of constituent isomers)
Bromophos-ethyl	Imazalil (any ratio of constituent isomers)
Bupirimate	Imidacloprid
Buprofezin	Indoxacarb (sum of indoxacarb and its R enantiomer)

DRRR proficiency tests for pesticides full analyte list



Captan (Sum of captan and THPI, expressed as captan)	Iprodione
Carbaryl	Iprovalicarb
Carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim)	Isoprothiolane
Carbofuran (sum of carbofuran (including any carbofuran generated from carbosulfan, benfuracarb or furathiocarb) and 3-OH carbofuran expressed as carbofuran)	Kresoxim-methyl
Chlorantraniliprole	Lambda-cyhalothrin (includes gamma-cyhalothrin) (sum of R,S and S,R isomers)
Chlorat	Linuron
Chlordane (sum of cis- and trans-chlordane)	Lufenuron (any ratio of constituent isomers)
Chlorfenapyr	Malathion (sum of malathion and malafoxon expressed as malathion)
Chloridazon (sum of chloridazon and chloridazon-desphenyl, expressed as chloridazon)	Maleic hydrazide
Chlormequat (sum of chlormequat and its salts, expressed as chlormequat-chloride)	Mandipropamid (any ratio of constituent isomers)
Chlorothalonil	Mepiquat (sum of mepiquat and its salts, expressed as mepiquat chloride)
Chlorpropham	Metalaxyl and metalaxyl-M (metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers))
Chlorpyrifos	Metazachlor (Sum of metabolites 479M04, 479M08 and 479M16, expressed as metazachlor)
Chlorpyrifos-methyl	Methamidophos
Clofentezine	Methidathion
Clomazone	Methiocarb (sum of methiocarb and methiocarb sulfoxide and sulfone, expressed as methiocarb)
Clothianidin	Methomyl
Coumaphos	Methoxyfenozide
Cyantraniliprole	Metrafenone
Cyazofamid	Monocrotophos
Cyflufenamid (sum of cyflufenamid (Z-isomer) and its E-isomer, expressed as cyflufenamid)	Myclobutanil (sum of constituent isomers)
Cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum of isomers))	Nicotine
Cymoxanil	Novaluron
Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	Omethoate
Cyproconazole	Oxamyl
Cyprodinil	Paclobutrazol (sum of constituent isomers)

DRRR proficiency tests for pesticides full analyte list



Cyromazine	Parathion
DDT (sum of p,p'-DDT, o,p'-DDT, p-p'-DDE and p,p'-TDE (DDD) expressed as DDT)	Parathion-methyl (sum of Parathion-methyl and paraoxon-methyl expressed as Parathion-methyl)
Deltamethrin (cis-deltamethrin)	Penconazole (sum of constituent isomers)
Diazinon	Pendimethalin
Dichlorvos	Permethrin (sum of isomers)
Dicofol (sum of p, p' and o,p' isomers)	Phenmedipham
Didecyldimethylammonium chloride (mixture of alkyl-quaternary ammonium salts with alkyl chain lengths of C8, C10 and C12)	Phenothrin (phenothrin including other mixtures of constituent isomers (sum of isomers))
Difenoconazole	Phosmet (phosmet and phosmet oxon expressed as phosmet)
Diflubenzuron	Pirimicarb
Dimethoate	Pirimiphos-methyl
Dimethomorph (sum of isomers)	Prochloraz (sum of prochloraz, BTS 44595 (M201-04) and BTS 44596 (M201-03), expressed as prochloraz)
Diphenylamine	Profenofos
Diquat	Propamocarb (Sum of propamocarb and its salts, expressed as propamocarb)
Disulfoton (sum of disulfoton, disulfoton sulfoxide and disulfoton sulfone expressed as disulfoton)	Propargite
Dithianon	Propiconazole (sum of isomers)
Dodine	Propyzamide
Emamectin B1a and its salts, expressed as emamectin B1a (free base)	Proquinazid
Endosulfan (sum of alpha- and beta-isomers and endosulfan-sulphate expressed as endosulfan)	Prosulfocarb
Endrin	Prothioconazole: prothioconazole-desthio (sum of isomers)
Epoxiconazole	Pyraclostrobin
Ethephon	Pyridaben
Ethion	Pyrimethanil
Ethirimol	Pyriproxyfen
Ethofumesate (Sum of ethofumesate, 2-keto-ethofumesate, open-ring-2-keto-ethofumesate and its conjugate, expressed as ethofumesate)	Quinalphos
Ethoprophos	Quintozene (sum of quintozene and pentachloro-aniline expressed as quintozene)
Ethylene oxide (sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide)	Spinetoram (sum of spinetoram-J and spinetoram-L)

DRRR proficiency tests for pesticides full analyte list



Etofenprox	Spinosad (spinosad, sum of spinosyn A and spinosyn D)
Etoxazole	Spirodiclofen
Famoxadone	Spiromesifen
Fenazaquin	Spirotetramat and spirotetramat-enol (sum of), expressed as spirotetramat
Fenbuconazole (sum of constituent enantiomers)	Spiroxamine (sum of isomers)
Fenbutatin oxide	Sulfoxaflor (sum of isomers)
Fenhexamid	Tebuconazole
Fenitrothion	Tebufenozide
Fenoxycarb	Tebufenpyrad
Fenpropathrin	Tefluthrin (tefluthrin including other mixtures of constituent isomers (sum of isomers))
Fenpropidin (sum of fenpropidin and its salts, expressed as fenpropidin)	Terbutylazine
Fenpropimorph (sum of isomers)	Tetraconazole
Fenpyrazamine	Thiabendazole
Fenpyroximate	Thiacloprid
Fenthion (fenthion and its oxigen analogue, their sulfoxides and sulfone expressed as parent)	Thiamethoxam
Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate)	Thiophanate-methyl
Fipronil (sum fipronil + sulfone metabolite (MB46136) expressed as fipronil)	Triadimenol (any ratio of constituent isomers)
Fonicamid (sum of fonicamid, TFNA and TFNG expressed as fonicamid)	Triazophos
Fluazifop-P (sum of all the constituent isomers of fluazifop, its esters and its conjugates, expressed as fluazifop)	Tricyclazole
Flucythrinate (flucythrinate including other mixtures of constituent isomers (sum of isomers))	Trifloxystrobin
Fludioxonil	Triflumizole: Triflumizole and metabolite FM-6-1(N-(4-chloro-2-trifluoromethylphenyl)-n-propoxyacetamide), expressed as Triflumizole
Fluopicolide	Triflumuron
Fluopyram	Trinexapac (sum of trinexapac (acid) and its salts, expressed as trinexapac)
Flupyradifurone	Vinclozolin
Fluroxypyr (sum of fluroxypyr, its salts, its esters, and its conjugates, expressed as fluroxypyr)	Zoxamide