

Rapport d'essai

Certificate of analysis

Identification rapport d'essai

Report identification

Numéro : 2024_6.1687.1

Number

Date de validation : 26/03/2024 17:55

Validation date

Date d'édition : 27/03/2024 08:43

Edition date

Demander : LABORATOIRE AQMC
Customer
174186(AUT) 135 RUE DE LA GARRIGUETTE CS 20130 - SAINT AUNÈS
34130 MAUGUIO

LABORATOIRE AQMC
135 RUE DE LA GARRIGUETTE
CS 20130 - SAINT AUNÈS
34130 MAUGUIO

Payeur : LABORATOIRE AQMC 135 RUE DE LA GARRIGUETTE CS
Payer
174186(AUT) 20130 - SAINT AUNÈS
34130 MAUGUIO

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Echantillon : 2024_6.1687.1

Identification (1) :

Spiruline sèche - N° Echantillon : CECH2024-11945 - Client : SAS ALGOSUD

Identification

- N° Tiers : 359

N° lot / Origine (1) : SPIB-M2023

Batch n° / Origin

Date de réception : 04/03/2024

Received date

Quantité reçue : 308 g

Received quantity

Date de début d'analyse : 04/03/2024

Beginning of analysis

Information (1) : N° Dossier : 000131577

(1) Information communiquée par le demandeur

(1) Information communicated by the customer

Prestation :

Analytical service

Iode

Sélénium

Chrome

Pack usage plus (PROTOCOLE_SAP1842 V11)

Paramètres recherchés supérieurs à la limite de détection :

Required compounds above the limit of detection :

Paramètre	Résultat	Unité	LQ	Méthode d'analyse
Compound	Result (+/- uncertainty)	Unit	LQ	Analysis method
Selenium	0.027 (+/- 0.012)	mg/kg	0.010	MI MO-PC-085 ICP/MS
Chrome	1.2 (+/- 0.4)	mg/kg	0.050	MI MO-PC-085 ICP/MS

Notes explicatives :

Explanatory notes

La limite de quantification (LQ) est la plus petite concentration pouvant être quantifiée avec une incertitude acceptable. Il s'agit d'une limite technique et non d'une réglementation. La limite de détection est égale à la limite de quantification divisée par 3 (Ld = LQ/3)

The limit of quantification (LQ) is the lowest concentration quantified with an acceptable uncertainty. It is a technical limit and not a regulation. The detection limit Ld = LQ/3

nd : non détecté (inférieur à la limite de détection Ld) - Ld = LQ / 3

nd : not detected (analytes detected below the limit of detection Ld)

Pour les métaux lourds, l'incertitude exprimée correspond à l'incertitude calculée selon le modèle d'Horwitz (facteur d'élargissement k = 2).

Heavy metals : the mentioned uncertainty is calculated according to Horwitz equation (coverage factor k=2).

Pour les résidus de pesticides, l'incertitude exprimée est de 50 % conformément au guide SANTE "Analytical quality control and method validation procedures for pesticide residues analysis in food and feed" en vigueur (facteur d'élargissement k = 2).

Pesticide residues : an uncertainty of 50% is applied according to guidance document SANTE "Analytical quality control and method validation procedures for pesticide residues analysis in food and feed" applicable (coverage factor k=2).

MI : Méthode interne

MI : Validated in-house method

Métaux : les résultats sont exprimés sur le produit brut

Heavy metals : the results are expressed on the raw sample

Laboratoire habilité par l'INAO.

Paramètres recherchés et inférieurs à la limite de détection :

Required and not detected compounds :

Divers (Others)

Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod
Iode	0.50	mg/kg	ST - ICP/MS								

Pesticides (Pesticides)

Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod
2,4-D (+salts)@	0.01	mg/kg	MI MO-PC-077	2,4-DB (+salts)@	0.01	mg/kg	MI MO-PC-077	Avermectin B1a	0.002	mg/kg	MI MO-PC-077
Avermectin B1b expr. as avermectin B1a	0.002	mg/kg	MI MO-PC-077	Avermectin B1a (8,9,z) expr. as avermectin B1a	0.002	mg/kg	MI MO-PC-077	Acephate	0.01	mg/kg	MI MO-PC-077
Acequinocyl	0.01	mg/kg	MI MO-PC-077	Acetamidrid	0.01	mg/kg	MI MO-PC-077	Acetochlor	0.01	mg/kg	MI MO-PC-077
Acibenzolar-S-methyl@	0.01	mg/kg	MI MO-PC-077	Aclonifen	0.01	mg/kg	MI MO-PC-077	Acrinathrin	0.01	mg/kg	MI MO-PC-077
Alachlor	0.01	mg/kg	MI MO-PC-077	Aldicarb	0.01	mg/kg	MI MO-PC-077	Aldicarb-metabolite (-sulfone expr. as aldicarb)	0.005	mg/kg	MI MO-PC-077
Aldicarb-metabolite (-sulfoxide expr. as aldicarb)	0.005	mg/kg	MI MO-PC-077	Ametoctradin	0.01	mg/kg	MI MO-PC-077	Amidosulfuron	0.01	mg/kg	MI MO-PC-077
Amisulbrom	0.01	mg/kg	MI MO-PC-077	Amitraz-metabolite (2,4-dimethylformamidine (DMF) expr. as amitraz)@	0.01	mg/kg	MI MO-PC-077	Amitraz-metabolite (N-2,4-dimethylphenyl-N-methylformamidine (DMPF) expr. as amitraz)@	0.01	mg/kg	MI MO-PC-077
Anthraquinone	0.01	mg/kg	MI MO-PC-077	Asulam	0.01	mg/kg	MI MO-PC-077	Atrazine	0.01	mg/kg	MI MO-PC-077
Atrazine-desethyl	0.01	mg/kg	MI MO-PC-077	Atrazine-desisopropyl	0.01	mg/kg	MI MO-PC-077	Azadirachtin	0.01	mg/kg	MI MO-PC-077
Azimsulfuron	0.01	mg/kg	MI MO-PC-077	Azinphos-methyl	0.01	mg/kg	MI MO-PC-077	Azoxystrobin	0.01	mg/kg	MI MO-PC-077
Beflubutamid	0.01	mg/kg	MI MO-PC-077	Benalaxyl (incl. benalaxyl-M - sum of isomers)	0.01	mg/kg	MI MO-PC-077	Bendiocarb	0.01	mg/kg	MI MO-PC-077
Benfluralin	0.01	mg/kg	MI MO-PC-077	Benoxacor	0.01	mg/kg	MI MO-PC-077	Bensulfuron-methyl	0.01	mg/kg	MI MO-PC-077
Bentazone (+salts)@	0.01	mg/kg	MI MO-PC-077	Bentazone metabolite (free 6-hydroxy bentazone expr. as bentazone)@	0.01	mg/kg	MI MO-PC-077	Bentazone metabolite (free 8-hydroxy bentazone expr. as bentazone)@	0.01	mg/kg	MI MO-PC-077
Benthiavalicarb-isopropyl@	0.01	mg/kg	MI MO-PC-077	Benzoindiflupyr	0.01	mg/kg	MI MO-PC-077	6-Benzyladenine	0.01	mg/kg	MI MO-PC-077
Bifenazate@	0.01	mg/kg	MI MO-PC-077	Bifenox	0.01	mg/kg	MI MO-PC-077	Bifenthrin	0.01	mg/kg	MI MO-PC-077
Bispyribac@	0.01	mg/kg	MI MO-PC-077	Bitertanol	0.01	mg/kg	MI MO-PC-077	Bixafen	0.01	mg/kg	MI MO-PC-077
Boscalid	0.01	mg/kg	MI MO-PC-077	Brodifacoum	0.01	mg/kg	MI MO-PC-077	Bromadiolone	0.01	mg/kg	MI MO-PC-077
Bromopropylate	0.01	mg/kg	MI MO-PC-077	Bromoxynil (+salts)	0.01	mg/kg	MI MO-PC-077	Bromuconazole	0.01	mg/kg	MI MO-PC-077
Bupirimate	0.01	mg/kg	MI MO-PC-077	Buprofezin	0.01	mg/kg	MI MO-PC-077	Butralin	0.01	mg/kg	MI MO-PC-077
Cadusafos	0.01	mg/kg	MI MO-PC-077	Captan + tetrahydrophthalimide expr. as captan	0.05	mg/kg	MI MO-PC-077	Carbaryl	0.01	mg/kg	MI MO-PC-077
Carbendazim (incl. benomyl)	0.01	mg/kg	MI MO-PC-077	Carbetamide	0.01	mg/kg	MI MO-PC-077	Carbofuran	0.0005	mg/kg	MI MO-PC-077
Carbofuran-metabolite (3-hydroxy-carbofuran expr. as carbofuran)	0.0005	mg/kg	MI MO-PC-077	Benfuracarb (expr. as carbofuran)	0.01	mg/kg	MI MO-PC-077	Carbosulfan (expr. as carbofuran)	0.01	mg/kg	MI MO-PC-077
Furathiocarb (expr. as carbofuran)	0.01	mg/kg	MI MO-PC-077	Carboxin	0.01	mg/kg	MI MO-PC-077	Carboxin-metabolite (Carboxin-sulfoxide expr. as carboxin)	0.01	mg/kg	MI MO-PC-077
Carboxin-metabolite (Carboxin-sulfone (Oxycarboxin) expr. as carboxin)	0.01	mg/kg	MI MO-PC-077	Carfentrazone-ethyl	0.01	mg/kg	MI MO-PC-077	Carfentrazone (expr. as carfentrazone-ethyl)	0.01	mg/kg	MI MO-PC-077
Chlorantraniliprole (rynaxypyr)	0.01	mg/kg	MI MO-PC-077	Chlordane-cis	0.005	mg/kg	MI MO-PC-077	Chlordane-trans	0.005	mg/kg	MI MO-PC-077
Chlordane-oxo	0.01	mg/kg	MI MO-PC-077	Chlorfenapyr	0.01	mg/kg	MI MO-PC-077	Chlorfenvinphos	0.01	mg/kg	MI MO-PC-077
Chloridazon	0.01	mg/kg	MI MO-PC-077	Chloridazon-metabolite (-desphenyl expr. as chloridazon)	0.02	mg/kg	MI MO-PC-077	Chlorothalonil	0.01	mg/kg	MI MO-PC-077
Chlorotoluron	0.01	mg/kg	MI MO-PC-077	Chlorpropham (CIPC)	0.01	mg/kg	MI MO-PC-077	Chlorpyrifos(-ethyl)	0.01	mg/kg	MI MO-PC-077
Chlorpyrifos-methyl	0.01	mg/kg	MI MO-PC-077	Chlorpyrifos-methyl metabolite (-desmethyl expr. as chlorpyrifos-methyl)	0.01	mg/kg	MI MO-PC-077	Chlorsulfuron	0.01	mg/kg	MI MO-PC-077
Chlorthal-dimethyl	0.01	mg/kg	MI MO-PC-077	Chromafenozide	0.01	mg/kg	MI MO-PC-077	Clethodim (expr. as sethoxydim)	0.01	mg/kg	MI MO-PC-077
Clethodim-metabolite (-sulfone expr. as sethoxydim)	0.01	mg/kg	MI MO-PC-077	Clethodim-metabolite (-sulfoxide expr. as sethoxydim)	0.01	mg/kg	MI MO-PC-077	Sethoxydim	0.01	mg/kg	MI MO-PC-077
Clodinafop (incl. S-clodinafop + salts)	0.01	mg/kg	MI MO-PC-077	Clodinafop-propargyl	0.01	mg/kg	MI MO-PC-077	Clofentezine	0.01	mg/kg	MI MO-PC-077
Clomazone	0.01	mg/kg	MI MO-PC-077	Clopyralid	0.02	mg/kg	MI MO-PC-077	Cloquintocet-mexyl	0.01	mg/kg	MI MO-PC-077
Cloquintocet	0.01	mg/kg	MI MO-PC-077	Clothianidin	0.01	mg/kg	MI MO-PC-077	Coumaphos	0.01	mg/kg	MI MO-PC-077
Coumatetralyl	0.01	mg/kg	MI MO-PC-077	Cyantraniliprole	0.01	mg/kg	MI MO-PC-077	Cyazofamid	0.01	mg/kg	MI MO-PC-077
Cycloxydim@	0.01	mg/kg	MI MO-PC-077	Cyflufenamid (sum of E & Z isomers expr. as cyflufenamid)	0.01	mg/kg	MI MO-PC-077	Cyflumetofen	0.01	mg/kg	MI MO-PC-077

Laboratoire habilité par l'INAO.

Pesticides (Pesticides)

Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method
Cyfluthrin (incl. cyfluthrin-beta - sum of isomers)	0.01	mg/kg	MI MO-PC-077	Cyhalofop-butyl	0.01	mg/kg	MI MO-PC-077	Cyhalofop	0.01	mg/kg	MI MO-PC-077
Cyhalothrin-lambda (incl. -gamma - sum of isomers)	0.01	mg/kg	MI MO-PC-077	Cymiazole	0.01	mg/kg	MI MO-PC-077	Cymoxanil	0.01	mg/kg	MI MO-PC-077
Cypermethrin (incl. alphamethrin - sum of isomers)	0.01	mg/kg	MI MO-PC-077	Cyproconazole	0.01	mg/kg	MI MO-PC-077	Cyprodinil	0.01	mg/kg	MI MO-PC-077
Cyrosulfamide	0.01	mg/kg	MI MO-PC-077	Cyromazine	0.01	mg/kg	MI MO-PC-077	Dazomet@	0.01	mg/kg	MI MO-PC-077
DDT (sum of isomers DDT op' + DDT pp' + DDD pp' + DDE pp')	0.05	mg/kg	MI MO-PC-077	Deltamethrin	0.01	mg/kg	MI MO-PC-077	Oxydemeton-methyl (demeton-S-methyl-sulfoxide = ODM)	0.005	mg/kg	MI MO-PC-077
Oxydemeton-methyl métabolite (demeton-S-methyl-sulfone expr. as ODM)	0.005	mg/kg	MI MO-PC-077	Desmedipham	0.01	mg/kg	MI MO-PC-077	Diazinon	0.01	mg/kg	MI MO-PC-077
Dicamba	0.01	mg/kg	MI MO-PC-077	Dichlobenil	0.01	mg/kg	MI MO-PC-077	Dichlofluanid	0.01	mg/kg	MI MO-PC-077
3,5-Dichloroaniline	0.01	mg/kg	MI MO-PC-077	Dichlorprop (incl. dichlorprop-p+salts) (2,4-DP)@	0.01	mg/kg	MI MO-PC-077	Dichlorvos	0.01	mg/kg	MI MO-PC-077
Diclofop (expr. as diclofop-methyl)	0.01	mg/kg	MI MO-PC-077	Diclofop-methyl	0.01	mg/kg	MI MO-PC-077	Dicloran	0.01	mg/kg	MI MO-PC-077
Dicofol	0.01	mg/kg	MI MO-PC-077	Aldrin (expr. as dieldrin)	0.005	mg/kg	MI MO-PC-077	Dieldrin	0.005	mg/kg	MI MO-PC-077
Diethofencarb	0.01	mg/kg	MI MO-PC-077	Diethyl toluamide (DEET)	0.01	mg/kg	MI MO-PC-077	Difenacoum	0.01	mg/kg	MI MO-PC-077
Difenoconazole	0.01	mg/kg	MI MO-PC-077	Difethialone	0.01	mg/kg	MI MO-PC-077	Diflubenzuron	0.01	mg/kg	MI MO-PC-077
Diflufenican (diflufenicanil)	0.01	mg/kg	MI MO-PC-077	Dimethachlor	0.01	mg/kg	MI MO-PC-077	Dimethenamid (incl. dimethenamid-P)	0.01	mg/kg	MI MO-PC-077
Dimethoate	0.01	mg/kg	MI MO-PC-077	Dimethomorph	0.01	mg/kg	MI MO-PC-077	1,4-dimethylnaphthalene	0.01	mg/kg	MI MO-PC-077
Dimoxystrobin	0.01	mg/kg	MI MO-PC-077	Diniconazole	0.01	mg/kg	MI MO-PC-077	Dinocap@	0.01	mg/kg	MI MO-PC-077
Dinocap-meptyl@	0.01	mg/kg	MI MO-PC-077	Dinotefuran	0.01	mg/kg	MI MO-PC-077	Diphenylamine	0.01	mg/kg	MI MO-PC-077
Diuron	0.01	mg/kg	MI MO-PC-077	Dodemorph	0.01	mg/kg	MI MO-PC-077	Dodine	0.01	mg/kg	MI MO-PC-077
Emamectin B1a (+salts expr. as emamectin B1a)	0.002	mg/kg	MI MO-PC-077	Endosulfan-alpha	0.01	mg/kg	MI MO-PC-077	Endosulfan-beta	0.01	mg/kg	MI MO-PC-077
Endosulfan-sulfate (expr. as endosulfan)	0.01	mg/kg	MI MO-PC-077	Endrin	0.005	mg/kg	MI MO-PC-077	Epoiconazole	0.01	mg/kg	MI MO-PC-077
Ethametsulfuron	0.01	mg/kg	MI MO-PC-077	Ethion (Diethion)	0.01	mg/kg	MI MO-PC-077	Ethirimol	0.01	mg/kg	MI MO-PC-077
Ethofumesate@	0.01	mg/kg	MI MO-PC-077	Ethofumesate-metabolite (Ethofumesate-2-keto expr. as ethofumesate)@	0.01	mg/kg	MI MO-PC-077	Ethofumesate-metabolite (Ethofumesate-open-ring-2-keto expr. as ethofumesate)@	0.01	mg/kg	MI MO-PC-077
Ethoprophos	0.01	mg/kg	MI MO-PC-077	Ethoxysulfuron	0.01	mg/kg	MI MO-PC-077	Etofenprox	0.01	mg/kg	MI MO-PC-077
Etoxazole	0.01	mg/kg	MI MO-PC-077	Etridiazole	0.01	mg/kg	MI MO-PC-077	Famoxadone	0.01	mg/kg	MI MO-PC-077
Fenamidone	0.01	mg/kg	MI MO-PC-077	Fenamiphos	0.01	mg/kg	MI MO-PC-077	Fenamiphos-metabolite (sulfone expr. as fenamiphos)	0.005	mg/kg	MI MO-PC-077
Fenamiphos-metabolite (sulfoxide expr. as fenamiphos)	0.005	mg/kg	MI MO-PC-077	Fenarimol	0.01	mg/kg	MI MO-PC-077	Fenazaquin	0.01	mg/kg	MI MO-PC-077
Fenbuconazole (sum of enantiomers)	0.01	mg/kg	MI MO-PC-077	Fenchlorazole-ethyl	0.01	mg/kg	MI MO-PC-077	Fenhexamid	0.01	mg/kg	MI MO-PC-077
Fenitrothion	0.01	mg/kg	MI MO-PC-077	Fenoxaprop-P	0.01	mg/kg	MI MO-PC-077	Fenoxaprop-P-ethyl	0.01	mg/kg	MI MO-PC-077
Fenoxycarb	0.01	mg/kg	MI MO-PC-077	Fenpicoxamid	0.01	mg/kg	MI MO-PC-077	Fenpropathrin	0.01	mg/kg	MI MO-PC-077
Fenpropidin (+ salts)	0.01	mg/kg	MI MO-PC-077	Fenpropimorph (sum of isomers)	0.01	mg/kg	MI MO-PC-077	Fenpyrazamine	0.01	mg/kg	MI MO-PC-077
Fenpyroximate	0.01	mg/kg	MI MO-PC-077	Fenthion	0.002	mg/kg	MI MO-PC-077	Fenthion-metabolite (-oxon expr. as fenthion)	0.002	mg/kg	MI MO-PC-077
Fenthion-metabolite (-oxon-sulfone expr. as fenthion)	0.002	mg/kg	MI MO-PC-077	Fenthion-metabolite (-oxon-sulfoxide expr. as fenthion)	0.002	mg/kg	MI MO-PC-077	Fenthion-metabolite (-sulfone expr. as fenthion)	0.002	mg/kg	MI MO-PC-077
Fenthion-metabolite (-sulfoxide expr. as fenthion)	0.002	mg/kg	MI MO-PC-077	Fenvalerate / Esfenvalerate	0.01	mg/kg	MI MO-PC-077	Fipronil	0.005	mg/kg	MI MO-PC-077
Fipronil-metabolite (-sulfone expr. as fipronil)	0.005	mg/kg	MI MO-PC-077	Flazasulfuron	0.01	mg/kg	MI MO-PC-077	Flocoumafen	0.01	mg/kg	MI MO-PC-077
Fonicamid	0.01	mg/kg	MI MO-PC-077	Fonicamid-metabolite (TFNA expr. as fonicamid)	0.01	mg/kg	MI MO-PC-077	Fonicamid-metabolite (TFNG expr. as fonicamid)	0.01	mg/kg	MI MO-PC-077
Florasulam	0.01	mg/kg	MI MO-PC-077	Florpyrauxifen-benzyl	0.01	mg/kg	MI MO-PC-077	Fluazifop-P (+isomers of fluazifop)@	0.005	mg/kg	MI MO-PC-077
Fluazifop-P-butyl (expr. as fluazifop)	0.005	mg/kg	MI MO-PC-077	Fluazinam	0.01	mg/kg	MI MO-PC-077	Flubendiamide	0.01	mg/kg	MI MO-PC-077
Fludioxonil	0.01	mg/kg	MI MO-PC-077	Flufenoxuron	0.01	mg/kg	MI MO-PC-077	Flumetralin	0.01	mg/kg	MI MO-PC-077
Flumioxazine	0.01	mg/kg	MI MO-PC-077	Flufenacet (Fluthiamide)@	0.01	mg/kg	MI MO-PC-077	Fluometuron	0.01	mg/kg	MI MO-PC-077
Fluopicolide	0.01	mg/kg	MI MO-PC-077	Fluopyram	0.01	mg/kg	MI MO-PC-077	Fluoxastrobin	0.01	mg/kg	MI MO-PC-077
Flupyradifurone	0.01	mg/kg	MI MO-PC-077	Flupyrasulfuron-methyl	0.01	mg/kg	MI MO-PC-077	Fluquinconazole	0.01	mg/kg	MI MO-PC-077
Flurochloridone	0.01	mg/kg	MI MO-PC-077	Fluroxypyr (+salts)@	0.005	mg/kg	MI MO-PC-077	Fluroxypyr-meptyl (expr. as	0.005	mg/kg	MI MO-PC-077

Laboratoire habilité par l'INAO.

Pesticides (Pesticides)

Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method
fluroxypry@				Flurtamone	0.01	mg/kg	MI MO-PC-077	Flusilazole	0.01	mg/kg	MI MO-PC-077
Flutianil	0.01	mg/kg	MI MO-PC-077	Flutolanil	0.01	mg/kg	MI MO-PC-077	Flutriafol	0.01	mg/kg	MI MO-PC-077
Fluvalinate-tau	0.01	mg/kg	MI MO-PC-077	Fluxapyroxad	0.01	mg/kg	MI MO-PC-077	Folpet + phthalimide expr. as folpet	0.03	mg/kg	MI MO-PC-077
Foramsulfuron	0.01	mg/kg	MI MO-PC-077	Forchlorfenuron	0.01	mg/kg	MI MO-PC-077	Formethanate (+salts)	0.01	mg/kg	MI MO-PC-077
Fosthiazate	0.01	mg/kg	MI MO-PC-077	Fuberidazole	0.01	mg/kg	MI MO-PC-077	Gibberellic acid	0.10	mg/kg	MI MO-PC-077
Halauxifen-methyl	0.01	mg/kg	MI MO-PC-077	Halauxifen-methyl-metabolite (Halauxifen expr. as halauxifen-methyl)	0.01	mg/kg	MI MO-PC-077	Halosulfuron-methyl	0.01	mg/kg	MI MO-PC-077
Haloxypop (+salts)@	0.003	mg/kg	MI MO-PC-077	Haloxypop-methyl (expr. as haloxypop)@	0.003	mg/kg	MI MO-PC-077	Haloxypop-2-ethoxyethyl (expr. as haloxypop)@	0.003	mg/kg	MI MO-PC-077
HCH-alpha	0.01	mg/kg	MI MO-PC-077	HCH-beta	0.01	mg/kg	MI MO-PC-077	HCH-delta	0.01	mg/kg	MI MO-PC-077
HCH-gamma (Lindane)	0.01	mg/kg	MI MO-PC-077	Heptachlor	0.01	mg/kg	MI MO-PC-077	Heptachlor-epoxyde-cis (expr. as heptachlor)	0.01	mg/kg	MI MO-PC-077
Heptachlor-epoxyde-trans (expr. as heptachlor)	0.01	mg/kg	MI MO-PC-077	Hexachlorobenzene (HCB)	0.01	mg/kg	MI MO-PC-077	Hexaconazole	0.01	mg/kg	MI MO-PC-077
Hexythiazox (any ratio of constituent isomers)	0.01	mg/kg	MI MO-PC-077	Imazalil	0.01	mg/kg	MI MO-PC-077	Imazamox (+salts)	0.01	mg/kg	MI MO-PC-077
Imazapyr	0.01	mg/kg	MI MO-PC-077	Imazaquin	0.01	mg/kg	MI MO-PC-077	Imazosulfuron	0.01	mg/kg	MI MO-PC-077
Imidacloprid	0.01	mg/kg	MI MO-PC-077	Indolylbutyric acid	0.01	mg/kg	MI MO-PC-077	Indoxacarb (S & R)	0.01	mg/kg	MI MO-PC-077
Iodosulfuron-methyl (+salts)	0.01	mg/kg	MI MO-PC-077	Ioxynil (+salts)	0.01	mg/kg	MI MO-PC-077	Ipcnazole	0.01	mg/kg	MI MO-PC-077
Iprodione	0.01	mg/kg	MI MO-PC-077	Iprovalicarb	0.01	mg/kg	MI MO-PC-077	Isofenphos-methyl	0.01	mg/kg	MI MO-PC-077
Isofetamid	0.01	mg/kg	MI MO-PC-077	Isoprothiolane	0.01	mg/kg	MI MO-PC-077	Isoproturon	0.01	mg/kg	MI MO-PC-077
Isoyrazam (sum of isomers)	0.01	mg/kg	MI MO-PC-077	Isoxaben	0.01	mg/kg	MI MO-PC-077	Isoxadifen-ethyl	0.01	mg/kg	MI MO-PC-077
Isoxaflutole	0.01	mg/kg	MI MO-PC-077	Isoxaflutole-metabolite (Isoxaflutole diketonitrile RPA 202248 expr. as Isoxaflutole)	0.01	mg/kg	MI MO-PC-077	Kresoxim-methyl	0.01	mg/kg	MI MO-PC-077
Lenacil	0.01	mg/kg	MI MO-PC-077	Linuron	0.01	mg/kg	MI MO-PC-077	Lufenuron	0.01	mg/kg	MI MO-PC-077
Malathion	0.01	mg/kg	MI MO-PC-077	Malathion-metabolite (malaonox expr. as malathion)	0.01	mg/kg	MI MO-PC-077	Mandestrobin	0.01	mg/kg	MI MO-PC-077
Mandipropamid (any ratio of constituent isomers)	0.01	mg/kg	MI MO-PC-077	MCPA (+salts)@	0.01	mg/kg	MI MO-PC-077	MCPB (+salts) expr. as MCPA@	0.01	mg/kg	MI MO-PC-077
Mecoprop (incl. Mecoprop-p)	0.01	mg/kg	MI MO-PC-077	Mefenpyr-diethyl	0.01	mg/kg	MI MO-PC-077	Mefentrifluconazole	0.01	mg/kg	MI MO-PC-077
Mepanipyrim	0.01	mg/kg	MI MO-PC-077	Mesosulfuron-methyl	0.01	mg/kg	MI MO-PC-077	Mesotrione	0.01	mg/kg	MI MO-PC-077
Metaflumizone (sum of isomers)	0.01	mg/kg	MI MO-PC-077	Metaxalyl (incl. metaxalyl-M = mefenoxam)	0.01	mg/kg	MI MO-PC-077	Metaldehyde	0.01	mg/kg	MI MO-PC-077
Metamitron	0.01	mg/kg	MI MO-PC-077	Metazachlor	0.005	mg/kg	MI MO-PC-077	Metazachlor metabolite (479M04 expr.as metazachlor)	0.005	mg/kg	MI MO-PC-077
Metazachlor metabolite (479M08 expr.as metazachlor)	0.005	mg/kg	MI MO-PC-077	Metazachlor metabolite (479M16 expr.as metazachlor)	0.005	mg/kg	MI MO-PC-077	Metconazole	0.01	mg/kg	MI MO-PC-077
Methamidophos	0.01	mg/kg	MI MO-PC-077	Methidathion	0.01	mg/kg	MI MO-PC-077	Methiocarb (Mercaptodimethur)	0.01	mg/kg	MI MO-PC-077
Methiocarb-metabolite (-sulfone expr. as methiocarb)	0.01	mg/kg	MI MO-PC-077	Methiocarb-metabolite (-sulfoxide expr. as methiocarb)	0.01	mg/kg	MI MO-PC-077	Methomyl	0.01	mg/kg	MI MO-PC-077
Methoxyfenozide	0.01	mg/kg	MI MO-PC-077	Metobromuron	0.01	mg/kg	MI MO-PC-077	Metobromuron metabolite (4-bromophenylurea expr. as metobromuron)	0.01	mg/kg	MI MO-PC-077
Metobromuron-desmethyl	0.01	mg/kg	MI MO-PC-077	Metobromuron-desmethoxy	0.01	mg/kg	MI MO-PC-077	4-Bromoaniline	0.01	mg/kg	MI MO-PC-077
Metolachlor (incl. S-metolachlor)	0.01	mg/kg	MI MO-PC-077	Metosulam	0.01	mg/kg	MI MO-PC-077	Metrafenone	0.01	mg/kg	MI MO-PC-077
Metribuzin	0.01	mg/kg	MI MO-PC-077	Metsulfuron-methyl	0.01	mg/kg	MI MO-PC-077	Milbemycin A3 expr. as milbemectin	0.01	mg/kg	MI MO-PC-077
Milbemycin A4 expr. as milbemectin	0.01	mg/kg	MI MO-PC-077	Monocrotophos	0.01	mg/kg	MI MO-PC-077	Myclobutanil (sum of isomers)	0.01	mg/kg	MI MO-PC-077
2-(1-Naphthyl)acetamide (expr. as 1-naphthylacetic acid) (1-NAD)	0.01	mg/kg	MI MO-PC-077	1-Naphthylacetic acid (1-NAA)	0.05	mg/kg	MI MO-PC-077	Napropamide (sum of isomers)	0.01	mg/kg	MI MO-PC-077
Nicosulfuron	0.01	mg/kg	MI MO-PC-077	Nitenpyram	0.01	mg/kg	MI MO-PC-077	Nitrofen	0.01	mg/kg	MI MO-PC-077
Omethoate	0.01	mg/kg	MI MO-PC-077	Orthophenylphenol (2-phenyl-phenol)@	0.01	mg/kg	MI MO-PC-077	Orthosulfamuron	0.01	mg/kg	MI MO-PC-077
Oryzalin	0.01	mg/kg	MI MO-PC-077	Oxadiazyl	0.01	mg/kg	MI MO-PC-077	Oxadiazon	0.01	mg/kg	MI MO-PC-077
Oxadixyl	0.01	mg/kg	MI MO-PC-077	Oxamyl	0.01	mg/kg	MI MO-PC-077	Oxasulfuron	0.01	mg/kg	MI MO-PC-077
Oxathiapiprolin	0.01	mg/kg	MI MO-PC-077	Oxyfluorfen	0.01	mg/kg	MI MO-PC-077	Pacllobutrazol (sum of isomers)	0.01	mg/kg	MI MO-PC-077
Parathion-methyl	0.01	mg/kg	MI MO-PC-077	Parathion-methyl-metabolite (paraaxon-methyl expr. as parathion-methyl)	0.01	mg/kg	MI MO-PC-077	Penconazole (sum of isomers)	0.01	mg/kg	MI MO-PC-077
Pencycuron	0.01	mg/kg	MI MO-PC-077	Pencycuron-metabolite (Pencycuron-PB-amine expr. as	0.01	mg/kg	MI MO-PC-077	pencycuron)			

Laboratoire habilité par l'INAO.

Pesticides (Pesticides)

Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod	Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod	Paramètre Compound	LQ LQ	Unité Unit	Méthode Méthod
Pendimethalin	0.01	mg/kg	MI MO-PC-077	Penflurac (sum of isomers)	0.01	mg/kg	MI MO-PC-077	Penoxsulam	0.01	mg/kg	MI MO-PC-077
Pentachloroanisole	0.01	mg/kg	MI MO-PC-077	Penthiopyrad	0.01	mg/kg	MI MO-PC-077	Permethrin (sum of isomers)	0.01	mg/kg	MI MO-PC-077
Pethoxamid	0.01	mg/kg	MI MO-PC-077	Phenmedipham	0.01	mg/kg	MI MO-PC-077	Phenthoate	0.01	mg/kg	MI MO-PC-077
Phorate	0.01	mg/kg	MI MO-PC-077	Phorate-metabolite (Phorate-oxon expr. as phorate)	0.01	mg/kg	MI MO-PC-077	Phorate-metabolite (Phorate-oxon-sulfone expr. as phorate)	0.01	mg/kg	MI MO-PC-077
Phorate-metabolite (Phorate-oxon-sulfoxide expr. as phorate)	0.01	mg/kg	MI MO-PC-077	Phorate-metabolite (Phorate-sulfone expr. as phorate)	0.01	mg/kg	MI MO-PC-077	Phorate-metabolite (Phorate-sulfoxide expr. as phorate)	0.01	mg/kg	MI MO-PC-077
Phosalone	0.01	mg/kg	MI MO-PC-077	Phosmet	0.005	mg/kg	MI MO-PC-077	Phosmet-oxon (expr. as phosmet)	0.01	mg/kg	MI MO-PC-077
Phoxim	0.01	mg/kg	MI MO-PC-077	Picloram	0.05	mg/kg	MI MO-PC-077	Piclotinafen	0.01	mg/kg	MI MO-PC-077
Picoxystrobin	0.01	mg/kg	MI MO-PC-077	Pinoxaden@	0.01	mg/kg	MI MO-PC-077	Piperonyl-butoxide	0.005	mg/kg	MI MO-PC-077
Pirimicarb	0.01	mg/kg	MI MO-PC-077	Desmethylpirimicarb expr. as pirimicarb	0.01	mg/kg	MI MO-PC-077	Pirimiphos-methyl	0.01	mg/kg	MI MO-PC-077
Prochloraz	0.01	mg/kg	MI MO-PC-077	Prochloraz-metabolite (BTS 44595/M201-04 expr. as prochloraz)	0.01	mg/kg	MI MO-PC-077	Prochloraz-metabolite (BTS 44596/M201-03 expr. as prochloraz)	0.01	mg/kg	MI MO-PC-077
Procymidone	0.01	mg/kg	MI MO-PC-077	Profenofos	0.01	mg/kg	MI MO-PC-077	Profoxydim	0.01	mg/kg	MI MO-PC-077
Prohexadione-calcium (+salts)	0.01	mg/kg	MI MO-PC-077	Prometryn	0.01	mg/kg	MI MO-PC-077	Propachlor@	0.01	mg/kg	MI MO-PC-077
Propamocarb (+salts)	0.01	mg/kg	MI MO-PC-077	Propaquizafop expr. as quizalofop@	0.01	mg/kg	MI MO-PC-077	Propargite	0.01	mg/kg	MI MO-PC-077
Propiconazole	0.01	mg/kg	MI MO-PC-077	Propoxycarbazone (+salts)	0.01	mg/kg	MI MO-PC-077	Propoxycarbazone metabolite (2-hydroxypropoxycarbazone expr. as propoxycarbazone)	0.01	mg/kg	MI MO-PC-077
Propyzamide	0.01	mg/kg	MI MO-PC-077	Proquinazid	0.01	mg/kg	MI MO-PC-077	Prosulfocarb	0.01	mg/kg	MI MO-PC-077
Prosulfuron	0.01	mg/kg	MI MO-PC-077	Prothioconazole (prothioconazole-desthio)	0.01	mg/kg	MI MO-PC-077	Pydiflumetofen	0.01	mg/kg	MI MO-PC-077
Pymetrozine	0.01	mg/kg	MI MO-PC-077	Pyraclostrobin	0.01	mg/kg	MI MO-PC-077	Pyraflufen-ethyl	0.01	mg/kg	MI MO-PC-077
Pyraflufen (expr. as pyraflufen-ethyl)	0.01	mg/kg	MI MO-PC-077	Cinerin I	0.01	mg/kg	MI MO-PC-077	Cinerin II	0.01	mg/kg	MI MO-PC-077
Jasmolin I	0.01	mg/kg	MI MO-PC-077	Jasmolin II	0.01	mg/kg	MI MO-PC-077	Pyrethrin I	0.01	mg/kg	MI MO-PC-077
Pyrethrin II	0.01	mg/kg	MI MO-PC-077	Pyridaben	0.01	mg/kg	MI MO-PC-077	Pyridalyl	0.01	mg/kg	MI MO-PC-077
Pyridate@	0.01	mg/kg	MI MO-PC-077	Pyridate-metabolite (expr. as pyridate)@	0.01	mg/kg	MI MO-PC-077	Pyrimethanil	0.01	mg/kg	MI MO-PC-077
Pyriofenone	0.01	mg/kg	MI MO-PC-077	Pyriproxyfen	0.01	mg/kg	MI MO-PC-077	Pyroxulam	0.01	mg/kg	MI MO-PC-077
Quinclorac	0.01	mg/kg	MI MO-PC-077	Quinmerac@	0.01	mg/kg	MI MO-PC-077	Quinoclamine	0.01	mg/kg	MI MO-PC-077
Quinoxifen	0.01	mg/kg	MI MO-PC-077	Quintozene	0.005	mg/kg	MI MO-PC-077	Quintozene metabolite (pentachloroaniline expr. as quintozene)	0.005	mg/kg	MI MO-PC-077
Quizalofop (incl. quizalofop-P)@	0.01	mg/kg	MI MO-PC-077	Quizalofop-ethyl (incl. quizalofop-P-ethyl)	0.01	mg/kg	MI MO-PC-077	Rimsulfuron	0.01	mg/kg	MI MO-PC-077
Rotenone	0.01	mg/kg	MI MO-PC-077	Sedaxane	0.01	mg/kg	MI MO-PC-077	Silthiofam	0.01	mg/kg	MI MO-PC-077
Sintofen	0.01	mg/kg	MI MO-PC-077	Spinetoram (sum -J and -L)	0.01	mg/kg	MI MO-PC-077	Spinosad (spynosyn A & D)	0.01	mg/kg	MI MO-PC-077
Spirodiclofen	0.01	mg/kg	MI MO-PC-077	Spiromesifen	0.01	mg/kg	MI MO-PC-077	Spirotetramat	0.01	mg/kg	MI MO-PC-077
Spirotetramat-metabolite (BYI08330-enol expr. as spirotetramat)	0.01	mg/kg	MI MO-PC-077	Spirotetramat-BYI08330-ketohydroxy (expr. as spirotetramat)	0.01	mg/kg	MI MO-PC-077	Spirotetramat-BYI08330-mono hydroxy (expr. as spirotetramat)	0.01	mg/kg	MI MO-PC-077
Spirotetramat-BYI08330-enol-g lucoside (expr. as spirotetramat)	0.01	mg/kg	MI MO-PC-077	Spiroxamine	0.01	mg/kg	MI MO-PC-077	Sulcotrione	0.01	mg/kg	MI MO-PC-077
Sulfosulfuron	0.01	mg/kg	MI MO-PC-077	Sulfoxaflor (sum of isomers)	0.01	mg/kg	MI MO-PC-077	Tebuconazole	0.01	mg/kg	MI MO-PC-077
Tebufenozide	0.01	mg/kg	MI MO-PC-077	Tebufenpyrad	0.01	mg/kg	MI MO-PC-077	Teflubenzuron	0.01	mg/kg	MI MO-PC-077
Tefluthrin	0.01	mg/kg	MI MO-PC-077	Tembotrione	0.01	mg/kg	MI MO-PC-077	Tembotrione-metabolite (Tembotrione-4,6-dihydroxy AE 1417268 expr. as tembotrione)	0.01	mg/kg	MI MO-PC-077
Tepraloxydim@	0.02	mg/kg	MI MO-PC-077	Terbutylazine	0.01	mg/kg	MI MO-PC-077	Terbutylazine-desethyl expr. as terbutylazine	0.01	mg/kg	MI MO-PC-077
Tetraconazole	0.01	mg/kg	MI MO-PC-077	Tetradifon	0.01	mg/kg	MI MO-PC-077	Thiabendazole	0.01	mg/kg	MI MO-PC-077
Thiacloprid	0.01	mg/kg	MI MO-PC-077	Thiamethoxam	0.01	mg/kg	MI MO-PC-077	Thiencarbazone-methyl	0.01	mg/kg	MI MO-PC-077
Thifensulfuron-methyl	0.01	mg/kg	MI MO-PC-077	Thiodicarb	0.01	mg/kg	MI MO-PC-077	Thiophanate-methyl	0.01	mg/kg	MI MO-PC-077
Tolclofos-methyl	0.01	mg/kg	MI MO-PC-077	Tolfenpyrad	0.01	mg/kg	MI MO-PC-077	Tolyfluaniid	0.01	mg/kg	MI MO-PC-077
Tolyfluaniid metabolite (DMST expr. as tolyfluaniid)	0.01	mg/kg	MI MO-PC-077	Transfluthrin	0.01	mg/kg	MI MO-PC-077	Triadimefon	0.01	mg/kg	MI MO-PC-077
Triadimenol (any ratio of constituent isomers)	0.01	mg/kg	MI MO-PC-077	Triallate	0.01	mg/kg	MI MO-PC-077	Triasulfuron	0.01	mg/kg	MI MO-PC-077
Triazamate	0.01	mg/kg	MI MO-PC-077	Triazophos	0.01	mg/kg	MI MO-PC-077	Tribenuron-methyl	0.01	mg/kg	MI MO-PC-077
Trichlorfon	0.01	mg/kg	MI MO-PC-077	Triclopyr	0.01	mg/kg	MI MO-PC-077	Tricyclazole	0.01	mg/kg	MI MO-PC-077

Identification rapport d'essai

Report identification

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Edition date

Laboratoire habilité par l'INAO.

Pesticides (Pesticides)

Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method	Paramètre Compound	LQ LQ	Unité Unit	Méthode Method
Trifloxystrobin	0.01	mg/kg	MI MO-PC-077	Triflumizole	0.01	mg/kg	MI MO-PC-077	Triflumizole-metabolite (Triflumizole-amino (FM6-1) expr. as triflumizole)	0.01	mg/kg	MI MO-PC-077
Triflumuron	0.01	mg/kg	MI MO-PC-077	Trifluralin	0.01	mg/kg	MI MO-PC-077	Triflusulfuron-methyl	0.01	mg/kg	MI MO-PC-077
Triflusulfuron (IN-M7222)	0.01	mg/kg	MI MO-PC-077	Trinexapac (-acid +salts, expr. as trinexapac)	0.01	mg/kg	MI MO-PC-077	Trinexapac-ethyl	0.01	mg/kg	MI MO-PC-077
Triticonazole	0.01	mg/kg	MI MO-PC-077	Tritosulfuron	0.01	mg/kg	MI MO-PC-077	AMTT (resulting from the use of tritosulfuron)	0.01	mg/kg	MI MO-PC-077
Valifenalate	0.01	mg/kg	MI MO-PC-077	Vinclozolin	0.01	mg/kg	MI MO-PC-077	Warfarin (Coumaphene)	0.01	mg/kg	MI MO-PC-077
Zoxamide	0.01	mg/kg	MI MO-PC-077								

Notes explicatives :

Explanatory notes

MI MOPC77 : Analyses de résidus phytosanitaires dans les produits non gras d'origine végétale : GC/MS/MS et/ou LC/MS/MS

Pesticide residues analysis in low oil content products of plant origin : GC/MS/MS and/or LC/MS/MS

ST : Analyse sous-traitée

ST : subcontracted analysis

@ : La méthode d'analyse utilisée ne permet pas de tenir compte de la définition du résidu exigée par la réglementation (CE) 396/2005 en vigueur.

The analytical method doesn't allow quantification of the full sum of analytes as stated in the residue definition in regulation (EC) N° 396/2005.

Résultats validés par :

Results validated by

Annie BRISARD

Responsable

Responsable du Laboratoire

Laboratory manager

Sécurité des aliments

Annie BRISARD

Cette validation est une signature électronique.
Electronic signature