

Certificat d'analyse n° 18-16623.1-1 Phytobilan 3 Vin (0-15)

Identification : Lot :L1 CHATEAU LAFON-ROCHET SAINT ESTEPHE Rouge 2013

Les présentes informations concernant l'identification ont été fournies par le demandeur. Les échantillons ont été fournis par le demandeur.

Molécule & méthode	Résultat	unité	LQ / LD	Action	LMR raisin cuve en (mg/ kg)	Résultat exprimé en % de LMR
2-Phénylphénol / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
2,4-DDT / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
3,5-Dichloroaniline / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Métabolite de l'iprodione	20.0	N/A
4,4-DDE / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
4,4-DDT / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
4,4-TDE / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
Aclonifène / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.01	N/A
Alphaméthrine / Extraction SPME / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.5	N/A
Acrinathrine / Extraction SPME / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Acaricide	0.1	N/A
Amétoctradine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	6.0	N/A
Amisulbrom / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	0.5	N/A
Azoxystrobine / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Anti-oidium/Anti-mildiou	3.0	N/A
Bénalaxyl (Σ isomères) / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	0.3	N/A
Bénoxacor / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Phytoprotecteur	0.0	N/A
Benthiavalicarbe / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	0.3	N/A
Beta-Cyfluthrine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Insecticide	0.3	N/A
Bifenthrine / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.01	N/A
Bitertanol / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Boscalid / Extraction QUECHERS / GCMSMS *	0,0200	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis / Anti-oidium	5.0	0,4 %
Buprofézine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	1.0	N/A
Captane / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Non homologué vigne	0.02	N/A
Captane selon définition / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Non homologué vigne	0.02	N/A
Carbendazime+Bénomyl / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé / métabolite Thioph.-Meth.	0.5	N/A
Carbétamide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.01	N/A
Carfentrazone-éthyl / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.01	N/A
Chlorantraniliprole / extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	1.0	N/A
Chlorprophame / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Chlorpyrifos méthyle / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.2	N/A
Chlorpyrifos éthyl / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.5	N/A
Clofentézine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Acaricide	1.0	N/A
Cyazofamide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	2.0	N/A
Cycloxydime / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.5	N/A
Cyflufénamide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oidium/black rot	0.15	N/A
Cyhalofop-butyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.02	N/A
Cymoxanil / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	0.3	N/A
Cyproconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oidium	0.2	N/A
Cyprodinil / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Anti-oidium / Anti-botrytis	3.0	N/A
Deltaméthrine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Insecticide	0.2	N/A
Dichlofluanide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.01 / 0.003	Non-autorisé	0.01	N/A
Diclofop-méthyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.05	N/A
Diéthofencarbe / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.9	N/A
Difénoconazole / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oidium/black rot	3.0	N/A
Diméthoate / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Dimétomorphe / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Anti-mildiou	3.0	N/A
Diuron+métabolite / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Diuron / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.01	N/A
Emamectine (Σ isomères) / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.05	N/A
Esfenvalérate / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.3	N/A
Ethoprosfos / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.02	N/A
Ethoxazole / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.5	N/A
Famoxadone / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Anti-mildiou	2.0	N/A

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Echantillon reçu le : **22/11/2018**

Début analyse le : **23/11/2018**

Certificat émis le : **27/11/2018**

Dossier **18-16623** (Phytobilan 3)

Molécule & méthode	Résultat	unité	LQ / LD	Action	LMR raisin cuve en (mg/kg)	Résultat exprimé en % de LMR
Fénamidone / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	0.6	N/A
Fénarimol / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.3	N/A
Fénazaquin / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Acaricide	0.2	N/A
Fenbuconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Anti-oïdium/black rot	1.0	N/A
Fenhexamide / Extraction QUECHERS / GCMSMS *	0,0150	mg.L ⁻¹	0.005 / 0.002	Anti-botrytis	15.0	0.1 %
Fénitrothion / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Fenoxaprop (Σ isomères) / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Non homologué vigne	0.1	N/A
Fenoxycarbe / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	1.0	N/A
Fenpropidine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Fenpropimorphe / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Fenpyrazamine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis	3.0	N/A
Fipronil / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.005	N/A
Flazasulfuron / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.01	N/A
Fluazinam / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-botrytis	3.0	N/A
Fludioxonil / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-botrytis	4.0	N/A
Flufénoxuron / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	2.0	N/A
Flumioxazine / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Herbicide	0.05	N/A
Fluopicolide / Extraction QUECHERS / LC-MSMS	≤ 0,001	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	2.0	N/A
Fuopyrame / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/botrytis	1.5	N/A
Flusilazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Flutriafol / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	1.5	N/A
Fluxapyroxade / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium	3.0	N/A
Folpel / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Fongicide	20.0	N/A
Folpel selon définition / Extraction QUECHERS / GCMSMS	0,0766	mg.L ⁻¹	0.01 / 0.003	Fongicide	20.0	0.4 %
Hexaconazole / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Hexythiazox / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Acaricide	1.0	N/A
Imazalil / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.05	N/A
Indoxacarbe / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	2.0	N/A
Iprodione / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	20.0	N/A
Iprovalicarbe / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	2.0	N/A
Isoxaben / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.05	N/A
Krésoxim-méthyl / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium	1.0	N/A
Lambda-Cyhalothrine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.2	N/A
Lindane / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.01	N/A
Lufénuron / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	1.0	N/A
Malathion / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.02	N/A
Mandipropamide / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	2.0	N/A
Mépanipyrimine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis	2.0	N/A
Métalaxyl (Σ isomères) / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	1.0	N/A
Méthoxyfénazole / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Insecticide	1.0	N/A
Métrafenone / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium	7.0	N/A
Myclobutanil / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	1.0	N/A
Napropamide / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.1	N/A
Oryzaline / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Herbicide	0.01	N/A
Oxadiazon / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.05	N/A
Oxadixyl / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Oxyfluorène / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.1	N/A
Parathion-méthyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non autorisé	0.01	N/A
Penconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium	0.4	N/A
Pendiméthaline / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.05	N/A
Pénoxsulame / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.01	N/A
Phosmet / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.05	N/A
Phtalimide / Extraction QUECHERS / GCMSMS	0,0380	mg.L ⁻¹	0.02 / 0.007	Marqueur non exclusif du Folpel	0.0	N/A
Pipéronyl butoxide / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.0	N/A
Pirimicarbe / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Pirimiphos-méthyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Prochloraz / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.05	N/A
Procymidone / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.01	N/A
Propargite / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Propyzamide / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.01	N/A



Echantillon reçu le : **22/11/2018**

Début analyse le : **23/11/2018**

Certificat émis le : **27/11/2018**

Dossier **18-16623** (Phytobilan 3)

Molécule & méthode	Résultat	unité	LQ / LD	Action	LMR raisin cuve en (mg/kg)	Résultat exprimé en % de LMR
Proquinazide / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium	0.5	N/A
Prosulfocarbe / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Pyraclostroline / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou/Anti-oïdium	2.0	N/A
Pyraflufène-éthyl / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.02	N/A
Pyréthrine (Σ isomères) / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Insecticide bio	1.0	N/A
Pyridabène / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	1.0	N/A
Pyriméthanol / Extraction QUECHERS / GCMSMS *	0,0490	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis	5.0	1.0 %
Pyriofénone / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium	0.2	N/A
Pyriproxifène / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.05	N/A
Quinoxifène / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium/black rot	1.0	N/A
Spinosad (Σ isomères) / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.5	N/A
Spiroxamine / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	0.5	N/A
Tau-Fluvalinate / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Insecticide	1.0	N/A
Tébuconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	1.0	N/A
Tébufenozide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	3.0	N/A
Tébufenpyrade / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Acaricide	0.6	N/A
Tétraconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	0.5	N/A
Tétrahydroptérimidine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Metabolite du captane	0.0	N/A
Thiabendazole / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Thiaméthoxame / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.4	N/A
Thiophanate-méthyl / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis/Anti-oïdium	3.0	N/A
Tolclofos-méthyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Triadiméfon / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Triadiménone / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	0.3	N/A
Trifloxystroline / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium/black rot	3.0	N/A
Valifénalate / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	0.2	N/A
Vinchloroline / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.01	N/A
Zoxamide / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	5.0	N/A

Lorsque la valeur mesurée est inférieure à la limite de détection, elle est référencée : « nd »
Lorsque la valeur mesurée est comprise entre la limite de détection et la limite de quantification, elle est référencée : « <LQ »
Chaque LMR est définie pour la somme de la molécule active et de ses produits de dégradation éventuels (SANTE/11813/2017)

Informations méthode :

Extraction QuEChERS puis analyse par GC-MSMS et UPLC-MSMS.
Méthode répondant aux critères de validation du guide SANTE/11813/2017.

Commentaires :

La présence de plusieurs résidus phytosanitaires a été détectée dans cet échantillon. Le Phtalimide est le produit de dégradation du Folpel mais peut avoir d'autres origines.



Certificat d'analyse n° 18-16623.1-1 Phytobilan 3 Vin (0-15)

Identification : Lot :L2 CHATEAU LAFON-ROCHET SAINT ESTEPHE Rouge 2014

Les présentes informations concernant l'identification ont été fournies par le demandeur. Les échantillons ont été fournis par le demandeur.

Molécule & méthode	Résultat	unité	LQ / LD	Action	LMR raisin cuve en (mg/ kg)	Résultat exprimé en % de LMR
2-Phénylphénol / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
2,4-DDT / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
3,5-Dichloroaniline / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Métabolite de l'iprodione	20.0	N/A
4,4-DDE / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
4,4-DDT / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
4,4-TDE / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
Aclonifène / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.01	N/A
Alphaméthrine / Extraction SPME / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.5	N/A
Acrinathrine / Extraction SPME / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Acaricide	0.1	N/A
Amétoctradine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	6.0	N/A
Amisulbrom / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	0.5	N/A
Azoxystrobin / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Anti-oïdium/Anti-mildiou	3.0	N/A
Bénalaxyl (Σ isomères) / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	0.3	N/A
Bénoxacor / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Phytoprotecteur	0.0	N/A
Benthiavalicarbe / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	0.3	N/A
Beta-Cyfluthrine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Insecticide	0.3	N/A
Bifenthrine / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.01	N/A
Bitertanol / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Boscalid / Extraction QUECHERS / GCMSMS *	0,0550	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis / Anti-oïdium	5.0	1.1 %
Buprofézine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	1.0	N/A
Captane / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Non homologué vigne	0.02	N/A
Captane selon définition / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Non homologué vigne	0.02	N/A
Carbendazime+Bénomyl / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé / métabolite Thioph.-Meth.	0.5	N/A
Carbétamide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.01	N/A
Carfentrazone-éthyl / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.01	N/A
Chlorantraniliprole / extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	1.0	N/A
Chlorprophame / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Chlorpyrifos méthyle / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.2	N/A
Chlorpyrifos éthyl / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.5	N/A
Clofentézine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Acaricide	1.0	N/A
Cyazofamide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	2.0	N/A
Cycloxydime / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.5	N/A
Cyflufénamide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium/black rot	0.15	N/A
Cyhalofop-butyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.02	N/A
Cymoxanil / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	0.3	N/A
Cyproconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium	0.2	N/A
Cyprodinil / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Anti-oïdium / Anti-botrytis	3.0	N/A
Deltaméthrine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Insecticide	0.2	N/A
Dichlofluanide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.01 / 0.003	Non-autorisé	0.01	N/A
Diclofop-méthyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.05	N/A
Diéthofencarbe / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.9	N/A
Difénoconazole / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium/black rot	3.0	N/A
Diméthoate / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Dimétomorphe / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Anti-mildiou	3.0	N/A
Diuron+métabolite / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Diuron / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.01	N/A
Emamectine (Σ isomères) / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.05	N/A
Esfenvalérate / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.3	N/A
Ethoprophos / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.02	N/A
Ethoxazole / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.5	N/A



Echantillon reçu le : **22/11/2018**

Début analyse le : **23/11/2018**

Certificat émis le : **27/11/2018**

Dossier **18-16623** (Phytobilan 3)

Molécule & méthode	Résultat	unité	LQ / LD	Action	LMR raisin cuve en (mg/kg)	Résultat exprimé en % de LMR
Famoxadone / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Anti-mildiou	2.0	N/A
Fénamidone / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	0.6	N/A
Fénarimol / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.3	N/A
Fénazaquin / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Acaricide	0.2	N/A
Fenbuconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Anti-oidium/black rot	1.0	N/A
Fenhexamide / Extraction QUECHERS / GCMSMS *	0,0060	mg.L ⁻¹	0.005 / 0.002	Anti-botrytis	15.0	0.0 %
Fénitrothion / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Fenoxaprop (Σ isomères) / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Non homologué vigne	0.1	N/A
Fenoxycarbe / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	1.0	N/A
Fenpropidine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Fenpropimorphe / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Fenpyrazamine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis	3.0	N/A
Fipronil / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.005	N/A
Flazasulfuron / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.01	N/A
Fluazinam / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-botrytis	3.0	N/A
Fludioxonil / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-botrytis	4.0	N/A
Flufénoxuron / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	2.0	N/A
Flumioxazine / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Herbicide	0.05	N/A
Fuopicolide / Extraction QUECHERS / LC-MSMS	≤ 0,001	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	2.0	N/A
Fuopyrame / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oidium/botrytis	1.5	N/A
Flusilazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Flutriafol / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	1.5	N/A
Fluxapyroxade / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oidium	3.0	N/A
Folpel / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Fongicide	20.0	N/A
Folpel selon définition / Extraction QUECHERS / GCMSMS	0,0948	mg.L ⁻¹	0.01 / 0.003	Fongicide	20.0	0.5 %
Hexaconazole / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Hexythiazox / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Acaricide	1.0	N/A
Imazalil / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.05	N/A
Indoxacarbe / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	2.0	N/A
Iprodione / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	20.0	N/A
Iprovalicarbe / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	2.0	N/A
Isoxaben / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.05	N/A
Krésoxim-méthyl / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oidium	1.0	N/A
Lambda-Cyhalothrine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.2	N/A
Lindane / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.01	N/A
Lufénuron / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	1.0	N/A
Malathion / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.02	N/A
Mandipropamide / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	2.0	N/A
Mépanipyrime / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis	2.0	N/A
Métalaxyl (Σ isomères) / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	1.0	N/A
Méthoxyfenozide / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Insecticide	1.0	N/A
Métrafenone / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oidium	7.0	N/A
Myclobutanil / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oidium/black rot	1.0	N/A
Napropamide / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.1	N/A
Oryzaline / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Herbicide	0.01	N/A
Oxadiazon / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.05	N/A
Oxadixyl / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Oxyfluorène / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.1	N/A
Parathion-méthyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non autorisé	0.01	N/A
Penconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oidium	0.4	N/A
Pendiméthaline / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.05	N/A
Pénoxsulame / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.01	N/A
Phosmet / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.05	N/A
Phtalimide / Extraction QUECHERS / GCMSMS	0,0470	mg.L ⁻¹	0.02 / 0.007	Marqueur non exclusif du Folpel	0.0	N/A
Pipéronyl butoxide / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.0	N/A
Pirimicarbe / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Pirimiphos-méthyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Prochloraz / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.05	N/A
Procymidone / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.01	N/A
Propargite / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A



Molécule & méthode	Résultat	unité	LQ / LD	Action	LMR raisin cuve en (mg/kg)	Résultat exprimé en % de LMR
Propyzamide / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.01	N/A
Proquinazide / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium	0.5	N/A
Prosulfocarbe / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Pyraclostrobin / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou/Anti-oïdium	2.0	N/A
Pyraflufène-éthyl / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.02	N/A
Pyréthrine (Σ isomères) / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Insecticide bio	1.0	N/A
Pyridabène / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	1.0	N/A
Pyriméthanol / Extraction QUECHERS / GCMSMS *	0,0070	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis	5.0	0.1 %
Pyriofénone / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium	0.2	N/A
Pyriproxyfène / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.05	N/A
Quinoxifène / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium/black rot	1.0	N/A
Spinosad (Σ isomères) / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.5	N/A
Spiroxamine / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	0.5	N/A
Tau-Fluvalinate / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Insecticide	1.0	N/A
Tébuconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	1.0	N/A
Tébufenozide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	3.0	N/A
Tébufenpyrade / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Acaricide	0.6	N/A
Tétraconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	0.5	N/A
Tétrahydrophthalimide / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Metabolite du captane	0.0	N/A
Thiabendazole / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Thiaméthoxame / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.4	N/A
Thiophanate-méthyl / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis/Anti-oïdium	3.0	N/A
Tolclofos-méthyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Triadiméfon / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Triadiménole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	0.3	N/A
Trifloxystrobine / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium/black rot	3.0	N/A
Valifénalate / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	0.2	N/A
Vinchlorzoline / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.01	N/A
Zoxamide / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	5.0	N/A

Lorsque la valeur mesurée est inférieure à la limite de détection, elle est référencée : « nd »
Lorsque la valeur mesurée est comprise entre la limite de détection et la limite de quantification, elle est référencée : « <LQ »
Chaque LMR est définie pour la somme de la molécule active et de ses produits de dégradation éventuels (SANTE/11813/2017)

Informations méthode :

Extraction QuEChERS puis analyse par GC-MSMS et UPLC-MSMS.
Méthode répondant aux critères de validation du guide SANTE/11813/2017.

Commentaires :

La présence de plusieurs résidus phytosanitaires a été détectée dans cet échantillon. Le Phtalimide est le produit de dégradation du Folpel mais peut avoir d'autres origines.



Echantillon reçu le : **22/11/2018**

Début analyse le : **23/11/2018**

Certificat émis le : **27/11/2018**

Dossier **18-16623** (Phytobilan 3)

Certificat d'analyse n° 18-16623.1-1 Phytobilan 3 Vin (0-15)

Identification : Lot :L3 CHATEAU LAFON-ROCHET SAINT ESTEPHE Rouge 2015

Les présentes informations concernant l'identification ont été fournies par le demandeur. Les échantillons ont été fournis par le demandeur.

Molécule & méthode	Résultat	unité	LQ / LD	Action	LMR raisin cuve en (mg/ kg)	Résultat exprimé en % de LMR
2-Phénylphénol / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
2,4-DDT / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
3,5-Dichloroaniline / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Métabolite de l'iprodione	20.0	N/A
4,4-DDE / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
4,4-DDT / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
4,4-TDE / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.05	N/A
Aclonifène / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.01	N/A
Alphaméthrine / Extraction SPME / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.5	N/A
Acrinathrine / Extraction SPME / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Acaricide	0.1	N/A
Amétoctradine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	6.0	N/A
Amisulbrom / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	0.5	N/A
Azoxystrobin / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Anti-oïdium/Anti-mildiou	3.0	N/A
Bénalaxyl (Σ isomères) / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	0.3	N/A
Bénoxacor / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Phytoprotecteur	0.0	N/A
Benthiavalicarbe / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	0.3	N/A
Beta-Cyfluthrine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Insecticide	0.3	N/A
Bifenthrine / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.01	N/A
Bitertanol / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Boscalid / Extraction QUECHERS / GCMSMS *	0,0050	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis / Anti-oïdium	5.0	0.1 %
Buprofézine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	1.0	N/A
Captane / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Non homologué vigne	0.02	N/A
Captane selon définition / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Non homologué vigne	0.02	N/A
Carbendazime+Bénomyl / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé / métabolite Thioph.-Meth.	0.5	N/A
Carbétamide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.01	N/A
Carfentrazone-éthyl / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.01	N/A
Chlorantraniliprole / extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	1.0	N/A
Chlorprophame / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Chlorpyrifos méthyle / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.2	N/A
Chlorpyrifos éthyl / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.5	N/A
Clofentézine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Acaricide	1.0	N/A
Cyazofamide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	2.0	N/A
Cycloxydime / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.5	N/A
Cyflufénamide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium/black rot	0.15	N/A
Cyhalofop-butyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.02	N/A
Cymoxanil / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	0.3	N/A
Cyproconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium	0.2	N/A
Cyprodinil / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Anti-oïdium / Anti-botrytis	3.0	N/A
Deltaméthrine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Insecticide	0.2	N/A
Dichlofluamide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.01 / 0.003	Non-autorisé	0.01	N/A
Diclofop-méthyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.05	N/A
Diéthofencarbe / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.9	N/A
Difénoconazole / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium/black rot	3.0	N/A
Diméthoate / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Dimétomorphe / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Anti-mildiou	3.0	N/A
Diuron+métabolite / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Diuron / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.01	N/A
Emamectine (Σ isomères) / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.05	N/A
Esfenvalérate / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.3	N/A
Ethoprosfos / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.02	N/A
Ethoxazole / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	0.5	N/A

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Certificat émis le : **27/11/2018**

Dossier **18-16623** (Phytobilan 3)

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Molécule & méthode	Résultat	unité	LQ / LD	Action	LMR raisin cuve en (mg/kg)	Résultat exprimé en % de LMR
Famoxadone / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Anti-mildiou	2.0	N/A
Fénamidone / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	0.6	N/A
Fénarimol / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.3	N/A
Fénazaquin / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Acaricide	0.2	N/A
Fenbuconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Anti-oidium/black rot	1.0	N/A
Fenhexamide / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-botrytis	15.0	N/A
Fénitrothion / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Fenoxaprop (Σ isomères) / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Non homologué vigne	0.1	N/A
Fenoxycarbe / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	1.0	N/A
Fenpropidine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Fenpropimorphe / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Fenpyrazamine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis	3.0	N/A
Fipronil / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.005	N/A
Flazasulfuron / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.01	N/A
Fluazinam / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-botrytis	3.0	N/A
Fludioxonil / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-botrytis	4.0	N/A
Flufénoxuron / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	2.0	N/A
Flumioxazine / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.01 / 0.003	Herbicide	0.05	N/A
Fuopicolide / Extraction QUECHERS / LC-MSMS	0,0030	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou	2.0	0.1 %
Fuopyrame / Extraction QUECHERS / GCMSMS	0,0060	mg.L ⁻¹	0.005 / 0.002	Anti-oidium/botrytis	1.5	0.4 %
Flusilazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Flutriafol / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	1.5	N/A
Fluxapyroxade / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oidium	3.0	N/A
Folpel / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Fongicide	20.0	N/A
Folpel selon définition / Extraction QUECHERS / GCMSMS	0,0423	mg.L ⁻¹	0.01 / 0.003	Fongicide	20.0	0.2 %
Hexaconazole / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Hexythiazox / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Acaricide	1.0	N/A
Imazalil / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.05	N/A
Indoxacarbe / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	2.0	N/A
Iprodione / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	20.0	N/A
Iprovalicarbe / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	2.0	N/A
Isoxaben / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.05	N/A
Krésoxim-méthyl / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oidium	1.0	N/A
Lambda-Cyhalothrine / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.2	N/A
Lindane / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.01	N/A
Lufénuron / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	1.0	N/A
Malathion / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.02	N/A
Mandipropamide / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	2.0	N/A
Mépanipryme / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis	2.0	N/A
Métalaxyl (Σ isomères) / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	1.0	N/A
Méthoxyfenozide / Extraction QUECHERS / LCMSMS	≤ 0,01	mg.L ⁻¹	0.01 / 0.003	Insecticide	1.0	N/A
Métrafenone / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oidium	7.0	N/A
Myclobutanil / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oidium/black rot	1.0	N/A
Napropamide / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.1	N/A
Oryzaline / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Herbicide	0.01	N/A
Oxadiazon / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.05	N/A
Oxadixyl / Extraction QUECHERS / LCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Oxyfluorène / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.1	N/A
Parathion-méthyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non autorisé	0.01	N/A
Penconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oidium	0.4	N/A
Pendiméthaline / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.05	N/A
Pénoxsulame / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.01	N/A
Phosmet / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.05	N/A
Phtalimide / Extraction QUECHERS / GCMSMS	0,0210	mg.L ⁻¹	0.02 / 0.007	Marqueur non exclusif du Folpel	0.0	N/A
Pipéronyl butoxide / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non homologué vigne	0.0	N/A
Pirimicarbe / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Pirimiphos-méthyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Prochloraz / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.05	N/A
Procymidone / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.01	N/A
Propargite / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A

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Molécule & méthode	Résultat	unité	LQ / LD	Action	LMR raisin cuve en (mg/kg)	Résultat exprimé en % de LMR
Propyzamide / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Herbicide	0.01	N/A
Proquinazide / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium	0.5	N/A
Prosulfocarbe / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Pyraclostrobine / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-mildiou/Anti-oïdium	2.0	N/A
Pyraflufène-éthyl / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Herbicide	0.02	N/A
Pyréthrine (Σ isomères) / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Insecticide bio	1.0	N/A
Pyridabène / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	1.0	N/A
Pyriméthanol / Extraction QUECHERS / GCMSMS *	0,0140	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis	5.0	0,3 %
Pyriofénone / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium	0.2	N/A
Pyriproxyfène / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.05	N/A
Quinoxifène / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium/black rot	1.0	N/A
Spinosad (Σ isomères) / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Insecticide	0.5	N/A
Spiroxamine / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	0.5	N/A
Tau-Fluavanilate / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.05 / 0.017	Insecticide	1.0	N/A
Tébuconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	1.0	N/A
Tébufenozide / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Insecticide	3.0	N/A
Tébufenpyrade / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Acaricide	0.6	N/A
Tétraconazole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	0.5	N/A
Tétrahydrophtalimide / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.01 / 0.003	Metabolite du captane	0.0	N/A
Thiabendazole / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Thiaméthoxame / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.4	N/A
Thiophanate-méthyl / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-botrytis/Anti-oïdium	3.0	N/A
Tolclofos-méthyl / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.001 / 0.0003	Non homologué vigne	0.01	N/A
Triadiméfon / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Non-autorisé	0.01	N/A
Triadiménole / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	0.3	N/A
Trifloxystrobine / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Anti-oïdium/black rot	3.0	N/A
Valifénalate / Extraction QUECHERS / LC-MSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-mildiou	0.2	N/A
Vinchlorzoline / Extraction QUECHERS / GCMSMS *	nd	mg.L ⁻¹	0.001 / 0.0003	Non-autorisé	0.01	N/A
Zoxamide / Extraction QUECHERS / GCMSMS	nd	mg.L ⁻¹	0.005 / 0.002	Anti-oïdium/black rot	5.0	N/A

Lorsque la valeur mesurée est inférieure à la limite de détection, elle est référencée : « nd »
Lorsque la valeur mesurée est comprise entre la limite de détection et la limite de quantification, elle est référencée : « <LQ »
Chaque LMR est définie pour la somme de la molécule active et de ses produits de dégradation éventuels (SANTE/11813/2017)

Informations méthode :

Extraction QuEChERS puis analyse par GC-MSMS et UPLC-MSMS.
Méthode répondant aux critères de validation du guide SANTE/11813/2017.

Commentaires :

La présence de plusieurs résidus phytosanitaires a été détectée dans cet échantillon. Le Phtalimide est le produit de dégradation du Folpel mais peut avoir d'autres origines.

