

SENASA Servicio Nacional de Sanidad, Inocuidad y Alimentación PERU	OFICINA DE CENTROS DE DIAGNÓSTICO Y PRODUCCIÓN										Unidad del Centro de Control de Insumos y Residuos Tóxicos				
	REGISTRO: HOJA DE TRABAJO DE ENSAYOS										REG-UCIRT/Lab-61				
											Revisión: 02	Página			
LABORATORIO DE ANALISIS DE RESIDUOS TÓXICOS															
Análisis de Residuos de Plaguicidas por UPLC-MS/MS															
Hoja de Trabajo: 033-2025															
Muestra o Producto :	Brocoli, involucro (inflorescencia)-EPO	Lote	BRO0078	Código de muestra(s):	01414-001-2025										
Muestra o Producto :	PALTA (fresco)-EPO	Lote	PAL0056	Código de muestra(s):	01415-001-2025										
Muestra o Producto :	MANGO (fresco)-EPO	Lote	MAN0085	Código de muestra(s):	01416-001-2025										
Muestra o Producto :	PIMENTO, fresco-EPO	Lote	PIM0023	Código de muestra(s):	01417-001-2025										
Muestra o Producto :	PALTA (fresco)-EPO	Lote	L-BF0201102-1	Código de muestra(s):	01418-001-2025										
Muestra o Producto :	Papa, fresco-EPPA y M	Lote	090425	Código de muestra(s):	01420-001-2025										
Muestra o Producto :	ARVEJA, vaina fresco-EPPA y M	Lote	140425	Código de muestra(s):	01421-001-2025										
Muestra o Producto :	Papa, fresco-EPPA y M	Lote	090425	Código de muestra(s):	01422-001-2025										
Muestra o Producto :	Papa, fresco-EPPA y M	Lote	090425	Código de muestra(s):	01427-001-2025										
Muestra o Producto :	ESPARRAGO (fresco)-EPO	Lote	DANA	Código de muestra(s):	01444-001-2025										
Muestra o Producto :	ESPARRAGO (fresco)-EPO	Lote	FRAYLE	Código de muestra(s):	01445-001-2025										
Muestra o Producto :	ESPARRAGO (fresco)-EPO	Lote	LUGMI	Código de muestra(s):	01446-001-2025										
Muestra o Producto :	ESPARRAGO (fresco)-EPO	Lote	VI-001	Código de muestra(s):	01447-001-2025										
Muestra o Producto :	ESPARRAGO (fresco)-EPO	Lote	CABILDO	Código de muestra(s):	01453-001-2025										
Muestra o Producto :	MANGO (fresco)-EPPA y M	Lote	fundo cuve alto	Código de muestra(s):	01456-001-2025										
Muestra o Producto :	MANZANA (fresco)-EPPA y M	Lote	01	Código de muestra(s):	01458-001-2025										
Muestra o Producto :	Tomate, fresco- EPPA y M	Lote	01	Código de muestra(s):	01459-001-2025										
Muestra o Producto :	Tomate, fresco- EPPA y M	Lote	02	Código de muestra(s):	01460-001-2025										
Muestra o Producto :	Pitahaya, fruta fresca	Lote	1	Código de muestra(s):	01477-001-2025										
Muestra o Producto :	Pitahaya, fruta fresca	Lote	1	Código de muestra(s):	01478-001-2025										
Muestra o Producto :	Pitahaya, fruta fresca	Lote	1	Código de muestra(s):	01479-001-2025										
Muestra o Producto :	Pitahaya, fruta fresca	Lote	1	Código de muestra(s):	01480-001-2025										
Muestra o Producto :	Pitahaya, fruta fresca	Lote	1	Código de muestra(s):	01481-001-2025										
Nombre del método :	Determinación de multiresiduos de plaguicidas en frutos y vegetales por LC/MS-MS			Solicitud de servicio de ensayo:	01414 hasta 01481-2025										
Código de método UCCIRT :	MET-UCCIRTes-19			Fecha de inicio análisis:	22/04/25 hasta 23/04/25										
Referencia del método :	AOAC Official Method 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate			Fecha de análisis:	23/04/2025										
EQUIPO	UPLC-MS/MS														
Marca:	WATERS			Modelo:	UPLC ACQUITY ICLASS/ XEVO TQ-XS		Serie:	WBA0923							
				Código:	EMS-Res 08										
ESTÁNDARES															
NOMBRE	Proveedor	Lote	Pureza o Potencia	Peso (mg)	Volumen (ml)	Dilución(ml)		Factor	Conc. trabajo (ng/ul)*	Concentración de Estándares de Curva de Calibración en matriz (ng/g)					
										1 Nivel	2 Nivel	3 Nivel	4 Nivel	5 Nivel	6 Nivel
Ametryn	Dr Ehrenstorfer GmbH	G1027873	99.3%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Azinphos methyl	Dr Ehrenstorfer GmbH	G1367018	96.7%	20.7	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Azinystrobin	Dr Ehrenstorfer GmbH	G1296076	99.0%	20.3	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Benalaxyl	Dr Ehrenstorfer GmbH	G1042547	99.7%	20.2	10	0.497	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Benfuracarb	Dr Ehrenstorfer GmbH	G1354772	99.6%	21.0	10	0.478	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Bupirimate	Dr Ehrenstorfer GmbH	L234247	87.1%	23.1	10	0.497	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Buprofezin	Dr Ehrenstorfer GmbH	G1094177	99.2%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Cadusafos	Dr Ehrenstorfer GmbH	G1165693	97.8%	20.4	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Carbaryl	Dr Ehrenstorfer GmbH	G1146115	98.8%	20.2	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Carbofuran	Dr Ehrenstorfer GmbH	G1206815	99.7%	20.2	10	0.497	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Carbofuran-3-hydrate	Dr Ehrenstorfer GmbH	G1236889	97.4%	10.0	5	0.513	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Chlorpyrifos	Dr Ehrenstorfer GmbH	G1391881	99.7%	20.1	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Chlorpyrifos-methyl	Dr Ehrenstorfer GmbH	G1148028	99.7%	20.2	10	0.497	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Cyanoconazole	Dr Ehrenstorfer GmbH	G993538	98.5%	20.2	10	0.503	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Diazinon	Dr Ehrenstorfer GmbH	H996521	99.5%	21.2	10	0.474	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dichlorvos	Dr Ehrenstorfer GmbH	G1232934	99.5%	20.0	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dicofolophos	Dr Ehrenstorfer GmbH	G163921	97.5%	21.1	10	0.486	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Ethiofengrphos	Dr Ehrenstorfer GmbH	G1230048	97.4%	21.0	10	0.489	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenamidophos	Dr Ehrenstorfer GmbH	G1245438	98.88%	20.1	10	0.503	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenitrothion	Dr Ehrenstorfer GmbH	G1228177	96.0%	21.0	10	0.493	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Flusulfazole	Dr Ehrenstorfer GmbH	G1355611	95.5%	20.9	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Indoxacarb	Dr Ehrenstorfer GmbH	G1302680	98.4%	20.5	10	0.496	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Malathion	Dr Ehrenstorfer GmbH	G1450005	98.6%	20.4	10	0.497	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Kresoxim-methyl	Dr Ehrenstorfer GmbH	G1269736	99.7%	20.1	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Metamidophos	Dr Ehrenstorfer GmbH	G1147771	99.7%	20.0	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Myclobutanil	Dr Ehrenstorfer GmbH	G990789	99.9%	20.0	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Penconazole	Dr Ehrenstorfer GmbH	G1182672	98.6%	20.0	10	0.507	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Phenthoate	Dr Ehrenstorfer GmbH	G1292966	93.8%	21.2	10	0.503	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Phosphamidon	Dr Ehrenstorfer GmbH	G1395949	99.2%	20.2	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Plinazophos-methyl	Dr Ehrenstorfer GmbH	G1192778	94.40%	21.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Proflufenfos	Dr Ehrenstorfer GmbH	G1161437	96.4%	21.1	10	0.492	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Propetamphos	Dr Ehrenstorfer GmbH	G1339348	93.0%	21.6	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Proxaconazole	Dr Ehrenstorfer GmbH	G1400437	97.9%	20.6	10	0.496	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Primicarb	Dr Ehrenstorfer GmbH	G1125994	99.6%	20.1	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Pyridoxifen	Dr Ehrenstorfer GmbH	G1244510	99.1%	20.2	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Tebuconazole	Dr Ehrenstorfer GmbH	G1352977	98.6%	20.4	10	0.497	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Tetraconazole	Dr Ehrenstorfer GmbH	G1113704	99.3%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Tolclofos methyl	Dr Ehrenstorfer GmbH	G1411237	98.9%	20.3	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Triazophos	Dr Ehrenstorfer GmbH	G1128755	96.1%	20.4	10	0.510	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Triphenol	Dr Ehrenstorfer GmbH	G1271367	98.7%	20.3	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Tylofosadina	Dr Ehrenstorfer GmbH	G1011796	99.3%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenoxaprop-P-Ethyl	Dr Ehrenstorfer GmbH	G1181871	98.9%	20.3	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Ametoctradin	Dr Ehrenstorfer GmbH	G1272846	99.8%	20.1	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Bifenazate	Dr Ehrenstorfer GmbH	G1377615	99.0%	20.3	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Blattariol	Dr Ehrenstorfer GmbH	G1065365	99.8%	20.0	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Boscalid	Dr Ehrenstorfer GmbH	G1266173	99.0%	20.2	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Clomazone (comman)	Dr Ehrenstorfer GmbH	G1138301	99.7%	20.0	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Cyprodinil	Dr Ehrenstorfer GmbH	G1391898	99.19%	20.2	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dichlorfuanid	Dr Ehrenstorfer GmbH	G1299634	99.2%	20.2	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Ethiofengrphos	Dr Ehrenstorfer GmbH	G1128744	98.8%	20.2	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Ethiofosate	Dr Ehrenstorfer GmbH	G1138149	99.0%	20.0	10	0.505	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenafinonil	Dr Ehrenstorfer GmbH	G1075549	97.1%	20.6	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenazaguin	Dr Ehrenstorfer GmbH	G1320566	98.7%	20.4	10	0.497	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenprophatin	Dr Ehrenstorfer GmbH	G1360046	98.8%	20.3	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fluopicolide	Dr Ehrenstorfer GmbH	G1475621	98.8%	20.3	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fluziguanil	Dr Ehrenstorfer GmbH	G1279045	98.7%	20.1	10	0.504	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fluquinconazole	Dr Ehrenstorfer GmbH	G1209932	98.3%	20.4	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fluralofur	Dr Ehrenstorfer GmbH	G1331801	99.5%	20.2	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Iprodione	Dr Ehrenstorfer GmbH	G1031601	99.3%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Metabenzyl	Dr Ehrenstorfer GmbH	G1390588	99.4%	20.3	10	0.495	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Mesafenonil	Dr Ehrenstorfer GmbH	G1360636	99.8%	20.1	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Quazifur	Dr Ehrenstorfer GmbH	G1140284	99.5%	20.5	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Spirometol	Dr Ehrenstorfer GmbH	G1229880	99.5%	20.3	10	0.495	25								

Pyrazolobiazin	Dr Ehrenstorfer GmbH	G1022101	99.6%	20.2	10	0.487	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Bendocarb	Dr Ehrenstorfer GmbH	G1241829	99.47%	20.2	10	0.488	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Bromophos Ethyl	Dr Ehrenstorfer GmbH	G1122994	98.98%	20.1	10	0.503	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Butachlor	Dr Ehrenstorfer GmbH	G1243368	96.1%	20.7	10	0.489	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Chlorfenapyr	Dr Ehrenstorfer GmbH	G997916	99.3%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Coumatophos	Dr Ehrenstorfer GmbH	G1037445	99.4%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Cyanothios	Dr Ehrenstorfer GmbH	G1343897	99.3%	19.2	10	0.524	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
DEET	Dr Ehrenstorfer GmbH	G1070773	98.3%	20.3	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Demeton-S-methyl	Dr Ehrenstorfer GmbH	G1388371	99.11%	20.0	10	0.504	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dicofol	Dr Ehrenstorfer GmbH	G1081439	99.1%	20.1	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dioxathion	Dr Ehrenstorfer GmbH	G1391936	99.4%	20.3	10	0.495	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Disulfoton	Dr Ehrenstorfer GmbH	G1238644	99.8%	20.2	10	0.496	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
EPN	Dr Ehrenstorfer GmbH	G1109574	98.03%	21.1	10	0.483	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Ethion	Dr Ehrenstorfer GmbH	G1037833	98.9%	20.1	10	0.503	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Etimfos	Dr Ehrenstorfer GmbH	G1235173	97.2%	20.0	10	0.514	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenchothios	Dr Ehrenstorfer GmbH	G1331415	97.9%	20.3	10	0.508	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenobucarb	Dr Ehrenstorfer GmbH	G1088879	98.7%	20.2	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Heptachlor-endo-epoxide(iso-omer A)	Dr Ehrenstorfer GmbH	G1358816	98.9%	10.0	5	0.505	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Heptenophos	Dr Ehrenstorfer GmbH	G1262732	95.94%	21.0	10	0.496	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Hexazinone	Dr Ehrenstorfer GmbH	G1380145	98.8%	20.3	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Isofenphos	Dr Ehrenstorfer GmbH	G1287031	99.5%	20.3	10	0.495	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Isoprocarb	Dr Ehrenstorfer GmbH	G1084289	96.7%	20.5	10	0.505	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Isoxathion	Dr Ehrenstorfer GmbH	G1114407	98.2%	20.1	10	0.506	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Mesalarg-M	Dr Ehrenstorfer GmbH	G1410398	99.0%	20.3	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Methachlor	Dr Ehrenstorfer GmbH	G1427873	97.4%	20.8	10	0.497	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Mesquiphos	Dr Ehrenstorfer GmbH	G1056955	96.8%	20.6	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Naled	Dr Ehrenstorfer GmbH	G051239	96.1%	21.2	10	0.491	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Permethrin-Ethyl	Dr Ehrenstorfer GmbH	G1147354	94.8%	21.6	10	0.488	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Prothiphos	Dr Ehrenstorfer GmbH	G1102361	95.66%	21.0	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Quinalphos	Dr Ehrenstorfer GmbH	G1272334	99.6%	23.0	10	0.437	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Tecnazene	Dr Ehrenstorfer GmbH	G1209386	99.2%	20.2	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Terbufos	Dr Ehrenstorfer GmbH	G1343220	96.1%	21.0	10	0.496	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Thiadifol	Dr Ehrenstorfer GmbH	G1152101	98.9%	20.3	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Thiacthionvinphos	Dr Ehrenstorfer GmbH	G1238805	98.8%	20.4	10	0.496	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Thionazin	Dr Ehrenstorfer GmbH	G090340	44.2%	46.1	10	0.491	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Acetoxynil	Dr Ehrenstorfer GmbH	G1330611	98.2%	20.4	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Acetochlor	Dr Ehrenstorfer GmbH	G1038364	97.3%	20.5	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Actoniten	Dr Ehrenstorfer GmbH	G1418464	98.0%	20.5	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Actinazin	Dr Ehrenstorfer GmbH	G1222093	88.9%	20.0	10	0.506	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Benoacarb	Dr Ehrenstorfer GmbH	G1379558	98.8%	20.3	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Bisapacryl	Dr Ehrenstorfer GmbH	G1231848	99.7%	20.1	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Chloridifolium	Dr Ehrenstorfer GmbH	G1554903	99.0%	20.5	10	0.493	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dazomet	Dr Ehrenstorfer GmbH	G1367618	98.2%	20.4	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dechlorol	Dr Ehrenstorfer GmbH	G1235395	98.8%	20.1	10	0.504	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Difenoque-methyl sulfate	Dr Ehrenstorfer GmbH	G1030240	99.1%	21.1	10	0.478	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dimebentazid	Dr Ehrenstorfer GmbH	G1367604	98.9%	20.3	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
EPTC	Dr Ehrenstorfer GmbH	G1034800	98.9%	20.2	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Ethalfuazin	Dr Ehrenstorfer GmbH	G1236160	99.8%	20.1	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenamidone	Dr Ehrenstorfer GmbH	H996776	99.7%	20.0	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenpropiidin	Dr Ehrenstorfer GmbH	G1316121	97.2%	20.5	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenpropiomorph	Dr Ehrenstorfer GmbH	G1281547	94.0%	21.2	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Flonicamid	Dr Ehrenstorfer GmbH	G1196693	99.3%	25.0	10	0.403	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Flusilfop-Butyl	Dr Ehrenstorfer GmbH	G984422	97.4%	20.5	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fubendaz	Dr Ehrenstorfer GmbH	G1425543	98.5%	20.4	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Flumioxazin	Dr Ehrenstorfer GmbH	G1062747	99.0%	20.2	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fluoxestrolin	Dr Ehrenstorfer GmbH	G1389137	99.5%	21.1	10	0.476	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fluazapyridin	Dr Ehrenstorfer GmbH	G1220979	99.9%	20.0	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fonofos	Dr Ehrenstorfer GmbH	G1120028	98.3%	20.3	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fuberidazole	Dr Ehrenstorfer GmbH	G1274536	99.1%	20.4	10	0.495	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Ipcnazole	Dr Ehrenstorfer GmbH	G992255	98.9%	20.2	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Isoabufos	Dr Ehrenstorfer GmbH	G1047430	99.2%	20.2	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Isofenphos-methyl	Dr Ehrenstorfer GmbH	G1239355	95.6%	21.7	10	0.482	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Isofrazam	Dr Ehrenstorfer GmbH	G1484018	95.0%	10.0	5	0.526	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Methoprene	Dr Ehrenstorfer GmbH	G1250509	95.2%	20.4	10	0.512	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Oxadiazin	Dr Ehrenstorfer GmbH	G1165678	99.4%	20.3	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Pendimethalin	Dr Ehrenstorfer GmbH	G998095	97.3%	20.5	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Picoxybutin	Dr Ehrenstorfer GmbH	G1227179	98.7%	20.1	10	0.504	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Propaquizalop	Dr Ehrenstorfer GmbH	G1346611	97.4%	20.0	10	0.514	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Prosoflocarb	Dr Ehrenstorfer GmbH	G1262757	99.4%	20.5	10	0.491	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Pyridatyl	Dr Ehrenstorfer GmbH	G1432892	96.1%	20.9	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Sethoxydin	Dr Ehrenstorfer GmbH	G1200737	96.2%	10.0	5	0.520	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Sprimonifen	Dr Ehrenstorfer GmbH	G1389476	98.0%	20.0	10	0.510	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Sulfentrazone	Dr Ehrenstorfer GmbH	G1205213	96.1%	20.8	10	0.490	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Disocarb	Dr Ehrenstorfer GmbH	G1030809	99.1%	20.1	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Asmet	Dr Ehrenstorfer GmbH	G062713	96.1%	10.0	5	0.518	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Bromacil	Dr Ehrenstorfer GmbH	G1073830	99.6%	20.0	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Captafol	Dr Ehrenstorfer GmbH	G1388435	99.8%	20.1	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Carbasetidine	Dr Ehrenstorfer GmbH	G990211	96.7%	20.6	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Carfentrazone-ethyl	Dr Ehrenstorfer GmbH	G1188607	93.1%	10.0	5	0.537	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Chloridazon	Dr Ehrenstorfer GmbH	G1323630	98.6%	20.4	10	0.497	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Chloridifolium	Dr Ehrenstorfer GmbH	G1383632	98.5%	20.4	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Chlorpropham	Dr Ehrenstorfer GmbH	G1355212	99.6%	20.1	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	10	

Linuron	Dr Ehrenstorfer GmbH	G1082878	99.4%	20.1	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Lufenuron	Dr Ehrenstorfer GmbH	G1238662	98.6%	20.0	10	0.507	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Methiocarb	Dr Ehrenstorfer GmbH	G1130019	99.4%	20.1	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Methomyl	Dr Ehrenstorfer GmbH	G990623	99.7%	20.0	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Nicosulfuron (Accret)	Dr Ehrenstorfer GmbH	G1030647	94.3%	21.1	10	0.496	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Nebuturon	Dr Ehrenstorfer GmbH	G1101723	98.6%	20.1	10	0.504	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Oxamyl	Dr Ehrenstorfer GmbH	G1105008	99.0%	20.2	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Oxydemeton-methyl (Demeton S-methyl sulphoxide)	Dr Ehrenstorfer GmbH	G1241384	97.4%	25.0	10	0.411	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
	Dr Ehrenstorfer GmbH	G1114417	99.4%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Prochloraz	Dr Ehrenstorfer GmbH	G1030797	95.3%	20.0	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Propanil	Dr Ehrenstorfer GmbH	G1104728	98.0%	21.1	10	0.484	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Tellururon	Dr Ehrenstorfer GmbH	G13304382	99.3%	20.0	10	0.504	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Temephos (Abate TM)	Dr Ehrenstorfer GmbH	G1299648	99.6%	20.1	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Thiabendazole	Dr Ehrenstorfer GmbH	G1060823	99.4%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Thiophanate-methyl	Dr Ehrenstorfer GmbH	G1147400	99.3%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Thiodiazuron	Dr Ehrenstorfer GmbH	G1210563	99.1%	20.0	10	0.505	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Tellururon	Dr Ehrenstorfer GmbH	G1105855	99.2%	20.1	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Acetamiprid	Dr Ehrenstorfer GmbH	G1157118	99.8%	20.0	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Aldicarb	Dr Ehrenstorfer GmbH	G1115569	99.1%	20.2	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Aldicarb Sulfide	Dr Ehrenstorfer GmbH	G1417207	99.7%	20.1	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Aldicarb sulfone (Aldosulfarb)	Dr Ehrenstorfer GmbH	G1009243	98.3%	20.3	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Asutram	Dr Ehrenstorfer GmbH	G1331395	96.7%	20.7	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Azinphos	Dr Ehrenstorfer GmbH	G1084826	99.4%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Carbozin	Dr Ehrenstorfer GmbH	G1348864	98.7%	20.3	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Chlorfenthiel	Dr Ehrenstorfer GmbH	G1010644	98.5%	20.3	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Desmedipham	Dr Ehrenstorfer GmbH	G1068932	99.6%	20.0	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dimethomorph	Dr Ehrenstorfer GmbH	G1026923	98.6%	21.2	10	0.478	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Famoxadone	Dr Ehrenstorfer GmbH	G1388398	99.22%	19.8	10	0.509	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenprothion	Dr Ehrenstorfer GmbH	G1382093	98.4%	20.1	10	0.506	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenpyroximate	Dr Ehrenstorfer GmbH	G1083150	97.8%	20.5	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Hexythiazox	Dr Ehrenstorfer GmbH	G1103848	99.3%	21.2	10	0.475	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Hymexazol	Dr Ehrenstorfer GmbH	G1197262	99.9%	25.0	10	0.400	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Imidacloprid	Dr Ehrenstorfer GmbH	G1352978	98.6%	20.3	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Isoprothiolane	Dr Ehrenstorfer GmbH	G1026928	97.8%	20.6	10	0.486	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Isoaflato	Dr Ehrenstorfer GmbH	G1126686	99.8%	20.3	10	0.493	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Methoxyfenozide	Dr Ehrenstorfer GmbH	G1251519	98.9%	20.3	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Oxyacarb	Dr Ehrenstorfer GmbH	G1096472	98.8%	20.2	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Pirimethrin	Dr Ehrenstorfer GmbH	G1025994	99.7%	20.1	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Rotenone	Dr Ehrenstorfer GmbH	G1098974	97.0%	21.0	10	0.491	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Spiromes	Dr Ehrenstorfer GmbH	G1386273	93.9%	21.2	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Tebuconazole	Dr Ehrenstorfer GmbH	G1217200	99.5%	20.3	10	0.495	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Thiacloprid	Dr Ehrenstorfer GmbH	G1051258	99.7%	21.2	10	0.473	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Thiamethoxam	Dr Ehrenstorfer GmbH	G1238618	99.7%	21.1	10	0.475	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Thiodicarb	Dr Ehrenstorfer GmbH	G1115420	97.8%	20.1	10	0.509	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Triadimenol (Baytan)	Dr Ehrenstorfer GmbH	G1230328	98.5%	21.2	10	0.479	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dimethoate	Dr Ehrenstorfer GmbH	G1299610	99.2%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenamiphos sulfide	Dr Ehrenstorfer GmbH	G1135092	97.8%	20.1	10	0.509	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Oxmetoate	Dr Ehrenstorfer GmbH	G1360632	98.7%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Amisulbrom	Dr Ehrenstorfer GmbH	G1201987	98.8%	25.0	10	0.405	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Bentazone	Dr Ehrenstorfer GmbH	G1151891	99.8%	20.0	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Bertholalicarb-isopropyl	Dr Ehrenstorfer GmbH	G1059086	99.1%	10.0	5	0.505	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Bispiribac-Sodium	Dr Ehrenstorfer GmbH	G1089329	96.5%	20.6	10	0.503	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Bromuconazole	Dr Ehrenstorfer GmbH	G1141287	98.3%	20.3	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Chlorantraniliprole	Dr Ehrenstorfer GmbH	G1188595	97.6%	21.2	10	0.483	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Chlorosulfuron	Dr Ehrenstorfer GmbH	G1127818	99.6%	20.1	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Cyodimol	Dr Ehrenstorfer GmbH	G1302245	95.6%	20.8	10	0.503	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Cyflumetol	Dr Ehrenstorfer GmbH	G1130022	99.6%	20.0	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Cyazofamid	Dr Ehrenstorfer GmbH	G1349411	97.6%	20.5	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dinocap	Dr Ehrenstorfer GmbH	G135490	90.3%	22.0	10	0.503	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dinotefuran	Dr Ehrenstorfer GmbH	G1031632	99.3%	20.2	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dihhaon	Dr Ehrenstorfer GmbH	G1773287	96.9%	20.7	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Epoconazole	Dr Ehrenstorfer GmbH	G1059159	99.2%	20.3	10	0.497	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Ethionol	Dr Ehrenstorfer GmbH	G1123900	99.8%	20.3	10	0.484	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Indaziflam	Dr Ehrenstorfer GmbH	G1116371	99.5%	21.2	10	0.474	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Isonabon	Dr Ehrenstorfer GmbH	G1236026	95.6%	21.2	10	0.493	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Mandipropamid	Dr Ehrenstorfer GmbH	G1156992	99.1%	20.1	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Mepiquatchlor	Dr Ehrenstorfer GmbH	G1137416	99.1%	21.2	10	0.509	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Monocrotophos	Dr Ehrenstorfer GmbH	G1334621	96.9%	20.0	10	0.516	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Sulfenacil	Dr Ehrenstorfer GmbH	G1102678	94.2%	20.3	10	0.523	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Spiromes	Dr Ehrenstorfer GmbH	G1123270	98.8%	22.5	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Spiromes	Dr Ehrenstorfer GmbH	G1232128	97.9%	20.2	10	0.506	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Sulfosulfon	Dr Ehrenstorfer GmbH	G1229420	99.4%	10.0	5	0.503	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Zenamid	Dr Ehrenstorfer GmbH	G1160388	98.3%	21.1	10	0.482	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Amidosulfuron	Dr Ehrenstorfer GmbH	G1135243	99.2%	20.1	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Chromafenozide	Dr Ehrenstorfer GmbH	G1402238	99.83%	20.1	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Clethodim	Dr Ehrenstorfer GmbH	G427417	95.0%	21.5	10	0.490	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Diflufenican	Dr Ehrenstorfer GmbH	G1294917	97.5%	20.1	10	0.510	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dodine	Dr Ehrenstorfer GmbH	G1257720	96.6%	20.1	10	0.515	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fenprothion	Dr Ehrenstorfer GmbH	G1042555	99.4%	20.1	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fluroxypyr	Dr Ehrenstorfer GmbH	G1087302	98.7%	20.2	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Halosulfuron-methyl	Dr Ehrenstorfer GmbH	G1113848	98.1%	20.2	10	0.505	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Imazamox	Dr Ehrenstorfer GmbH	G1050445	98.7%	20.2	10	0.502	25	1000	40.0						

Mesafumizone*	Dr Ehrenstorfer GmbH	G1018205	97.2%	20.5	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Quizalotop-P-ethyl*	Dr Ehrenstorfer GmbH	G163941	98.8%	20.2	10	0.501	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Tri-allate*	Dr Ehrenstorfer GmbH	G1246273	99.41%	20.3	10	0.496	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Benzovindiflupyr*	Dr Ehrenstorfer GmbH	G1431289	99.4%	25.0	10	0.403	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Cyflumetofen*	Dr Ehrenstorfer GmbH	G1421439	99.9%	25.0	10	0.446	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Dinotolop (free acid)*	Dr Ehrenstorfer GmbH	G1291306	98.3%	20.4	10	0.499	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Formetanate hydrochloride*	Dr Ehrenstorfer GmbH	G1386798	97.1%	20.6	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Isotelstar®	Dr Ehrenstorfer GmbH	G1102368	99.4%	25.0	10	0.402	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Isayn®	Dr Ehrenstorfer GmbH	G1437960	99.87%	20.1	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Orthoapporin®	Dr Ehrenstorfer GmbH	G1483152	97.89%	9.3	5	0.549	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Proquinazid®	Dr Ehrenstorfer GmbH	G174844	99.1%	21.1	10	0.478	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Pyraflufen-ethyl*	Dr Ehrenstorfer GmbH	G1210264	99.4%	20.2	10	0.498	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Pyrethrin	Dr Ehrenstorfer GmbH	1062841	77.1%	21.0	10	0.618	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Pyraoxulfone*	Dr Ehrenstorfer GmbH	G1293557	99.73%	19.9	10	0.504	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Quizalotop-P-ethyl*	Dr Ehrenstorfer GmbH	G1127595	98.6%	25.0	10	0.406	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Thiencarbazone-methyl	Dr Ehrenstorfer GmbH	G1441518	99.1%	20.2	10	0.500	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Vallentolite®	Dr Ehrenstorfer GmbH	G1114902	98.8%	25.0	10	0.405	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Trinexapac (free acid)	Dr Ehrenstorfer GmbH	G1081428	98.8%	25.0	10	0.405	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Benomyl	Dr Ehrenstorfer GmbH	1151400	99.9%	20.2	10	0.496	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Fluensulfone	Dr Ehrenstorfer GmbH	G1382308	99.67%	20.0	10	0.502	25	1000	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Tetraniliprole	Dr Ehrenstorfer GmbH	G1439625	97.97%	20.3	10	0.502	25	1001	40.0	5.0	10.0	20.0	50.0	100.0	200.0
Triphenyl phosphate (S)	Dr Ehrenstorfer GmbH	G1266658	99.5%	20.1	10	-	50	1000	2	0.3	0.5	1.0	2.5	5.0	10.0

Observaciones: *Las soluciones fueron preparadas en solvente Acetonitril con ácido acético 0.1%.

ESTANDARES DE CALIBRACION EN SOLVENTE*

A partir de las soluciones de trabajo aprox. 40 ng/ul (Mix 7 al 16)	Dilución (ml)		Concentración aprox. (ng/ul)
Nivel 1 (C1) en solv.	0.025	10.0	0.10
Nivel 2 (C2) en solv.	0.050	10.0	0.20
Nivel 3 (C3) en solv.	0.100	10.0	0.40
Nivel 4 (C4) en solv.	0.250	10.0	1.00
Nivel 5 (C5) en solv.	0.500	10.0	2.00
Nivel 6 (C6) en solv.	1.000	10.0	4.00

* Para la preparación de la curva en matriz

MUESTRAS

CODIGO DE MUESTRA	Peso de muestra W1 (g)	Peso de muestra W2 (g)	Vol.de extracción (mL)	factor de dilución	Observación	Analista o Técnico pre- tratamiento de muestras
00019-001-2023	15.0155	-	15	0.999	Blanco matriz uva Fecha de uso: 15/04/2025	M.L.S
00019-001-2023	15.0070	-	15	1.000	Blanco matriz fortificado uva Fecha de uso: 15/04/2025	M.L.S
01414-001-2025	15.0091	-	15	0.999	Fecha de pesada 22/04/2025	M.L.S
01415-001-2025	15.0041	-	15	1.000	Fecha de pesada 22/04/2025	M.L.S
01416-001-2025	15.0092	-	15	0.999	Fecha de pesada 22/04/2025	M.L.S
01417-001-2025	15.0089	-	15	0.999	Fecha de pesada 22/04/2025	M.L.S
01418-001-2025	15.0073	-	15	1.000	Fecha de pesada 22/04/2025	M.L.S
01420-001-2025	15.0046	-	15	1.000	Fecha de pesada 22/04/2025	M.L.S
01421-001-2025	15.0158	-	15	0.999	Fecha de pesada 22/04/2025	M.L.S
01422-001-2025	15.0060	-	15	1.000	Fecha de pesada 22/04/2025	M.L.S
01427-001-2025	15.0057	-	15	1.000	Fecha de pesada 22/04/2025	M.L.S
01444-001-2025	15.0166	-	15	0.999	Fecha de pesada 22/04/2025	M.L.S
01445-001-2025	15.0002	-	15	1.000	Fecha de pesada 22/04/2025	M.L.S
01446-001-2025	15.0017	-	15	1.000	Fecha de pesada 22/04/2025	M.L.S
01447-001-2025	15.0013	-	15	1.000	Fecha de pesada 22/04/2025	M.L.S
01453-001-2025	15.0110	-	15	0.999	Fecha de pesada 22/04/2025	M.L.S
01456-001-2025	15.0062	15.0078	15	1.000	Fecha de pesada 22/04/2025	M.L.S
01458-001-2025	15.0084	-	15	0.999	Fecha de pesada 22/04/2025	M.L.S
01459-001-2025	15.0145	-	15	0.999	Fecha de pesada 22/04/2025	M.L.S
01460-001-2025	15.0047	-	15	1.000	Fecha de pesada 22/04/2025	M.L.S
01477-001-2025	15.0016	-	15	1.000	Fecha de pesada 23/04/2025	M.L.S
01478-001-2025	15.0155	-	15	0.999	Fecha de pesada 23/04/2025	M.L.S
01479-001-2025	15.0043	-	15	1.000	Fecha de pesada 23/04/2025	M.L.S
01480-001-2025	15.0175	-	15	0.999	Fecha de pesada 23/04/2025	M.L.S
01481-001-2025	15.0088	-	15	0.999	Fecha de pesada 23/04/2025	M.L.S

Cálculo Factor de pepa:

Código de muestra	Peso total (g)	Peso pepa (g)	Factor (pepa)
01415-001-2025	1392.60	195.20	0.140
01416-001-2025	1643.90	287.40	0.175
01418-001-2025	1807.40	212.50	0.118
01456-001-2025	1204.40	166.40	0.138

CONDICIONES CROMATOGRAFICAS

Fase Móvil:	A: Acetato de Amonio 0.01M y Ácido acético 0.05% Acuosos	Columna:	AQUTY UPLC BEH C18 1.7µM(2.1X100mm)
	B: Acetato de Amonio 0.01M y Ácido acético 0.05% en Metanol		
Rujo:	0.4 ml	Marca :	Waters
Vol. inyección:	2 µL	Nº Identif. :	246
CONDICIONES DEL MS/MS:	De acuerdo al método MET-UCCRT-Res19	Temp. Col. :	50°C
Modo de ionización:	ESI (+)		

CALCULOS

$$C \text{ mg/kg} = \frac{(C_{\text{ug}} \times \text{Kg CC} \times f_d) / 1000}{f_d}$$

Donde:
Cug/Kg CC: concentración del plaguicida en la muestra derivada de la curva de calibración matriz
f_d: factor de dilución muestra

Cálculo para la corrección de muestras que contienen huesos o pepas:

$$F(\text{pepa}) = \frac{W_{\text{pepa}}}{W_{\text{hueso}}}$$

$$C \text{ corregida} = \frac{C \text{ mg/kg}}{F(\text{pepa})}$$

RESULTADOS

Código de Muestra	Resultados
UCCRT	
01414-001-2025	No detectables, a excepción de los listados a continuación
01415-001-2025	No detectables, a excepción de los listados a continuación
01416-001-2025	No detectables.
01417-001-2025	No detectables, a excepción de los listados a continuación
01418-001-2025	No detectables.
01420-001-2025	No detectables.
01421-001-2025	No detectables, a excepción de los listados a continuación

01422-001-2025	No detectables.
01427-001-2025	No detectables.
01444-001-2025	No detectables, a excepción de los listados a continuación
01445-001-2025	No detectables.
01446-001-2025	No detectables.
01447-001-2025	No detectables, a excepción de los listados a continuación
01453-001-2025	No detectables.
01456-001-2025	No detectables, a excepción de los listados a continuación
01458-001-2025	No detectables.
01459-001-2025	No detectables, a excepción de los listados a continuación
01460-001-2025	No detectables, a excepción de los listados a continuación
01477-001-2025	No detectables, a excepción de los listados a continuación
01478-001-2025	No detectables, a excepción de los listados a continuación
01479-001-2025	No detectables, a excepción de los listados a continuación
01480-001-2025	No detectables, a excepción de los listados a continuación
01481-001-2025	No detectables, a excepción de los listados a continuación

Código de muestra UCCRT	Plaguicida	Resultado1	Resultado2	Promedio	stj (n=2,95%)	Unidad	RSD %	Observaciones
01414-001-2025	Tofenpyrad	3.70	-	< 0.010	NA	mg/kg	#DIV/0!	-
	Chlorantraniliprole	3.70	-	< 0.010	NA	mg/kg	#DIV/0!	
01415-001-2025	Carbendazim	10.30	-	0.018	0.002	mg/kg	#DIV/0!	
01417-001-2025	Acetamiprid	24.80	-	0.050	0.008	mg/kg	#DIV/0!	
	Azoxystrobin	79.80	-	0.160	0.024	mg/kg	#DIV/0!	
	Carbendazim	55.10	-	0.110	0.008	mg/kg	#DIV/0!	
	Imidacloprid	106.20	-	0.212	0.031	mg/kg	#DIV/0!	
	Lufenuron	59.80	-	0.120	0.032	mg/kg	#DIV/0!	
	Tebuconazole	95.50	-	0.191	0.070	mg/kg	#DIV/0!	
	Triadimenol	92.10	-	0.184	0.057	mg/kg	#DIV/0!	
01421-001-2025	Azoxystrobin	24.70	-	0.049	0.007	mg/kg	#DIV/0!	
	Tebuconazole	8.00	-	0.016	0.002	mg/kg	#DIV/0!	
	Thiamethoxam	3.40	-	< 0.010	NA	mg/kg	#DIV/0!	
01444-001-2025	Methomyl	15.40	-	0.031	0.002	mg/kg	#DIV/0!	
01447-001-2025	Imidacloprid	28.90	-	0.058	0.008	mg/kg	#DIV/0!	
	Methomyl	22.90	-	0.046	0.004	mg/kg	#DIV/0!	
01456-001-2025	Omethoate	18.30	18.90	0.037	0.008	mg/kg	2.281	
	Dimethoate	4.10	3.90	< 0.010	NA	mg/kg	3.536	
01459-001-2025	Carbofuran	10.80	-	0.022	0.003	mg/kg	#DIV/0!	-
	Chlorantraniliprole	8.20	-	0.016	0.005	mg/kg	#DIV/0!	-
	Dinotefuran	52.40	-	0.105	0.030	mg/kg	#DIV/0!	-
	Imidacloprid	9.40	-	0.019	0.003	mg/kg	#DIV/0!	-
	Profenofos	14.10	-	0.028	0.008	mg/kg	#DIV/0!	-
	Sulfoxaflor	18.60	-	0.037	0.010	mg/kg	#DIV/0!	-
01460-001-2025	Carbofuran	11.10	-	0.022	0.003	mg/kg	#DIV/0!	-
	Chlorantraniliprole	8.60	-	0.017	0.006	mg/kg	#DIV/0!	-
	Dinotefuran	33.90	-	0.068	0.018	mg/kg	#DIV/0!	-
	Imidacloprid	9.60	-	0.019	0.003	mg/kg	#DIV/0!	-
	Profenofos	9.20	-	0.018	0.004	mg/kg	#DIV/0!	-
	Sulfoxaflor	8.10	-	0.016	0.006	mg/kg	#DIV/0!	-
01477-001-2025	Azoxystrobin	8.00	-	0.016	0.002	mg/kg	#DIV/0!	-
	Pyriaclostrobin	21.50	-	0.043	0.004	mg/kg	#DIV/0!	-
	Thiamethoxam	2.80	-	< 0.010	NA	mg/kg	#DIV/0!	-
01478-001-2025	Pyriaclostrobin	21.80	-	0.044	0.004	mg/kg	#DIV/0!	-
	Thiamethoxam	2.80	-	< 0.010	NA	mg/kg	#DIV/0!	-
01479-001-2025	Pyriaclostrobin	161.10	-	0.322	0.037	mg/kg	#DIV/0!	-
	Tebuconazole	6.40	-	0.013	0.001	mg/kg	#DIV/0!	-
01480-001-2025	Bromuconazole	188.00	-	0.376	0.040	mg/kg	#DIV/0!	-
	Prochloraz	193.90	-	0.388	0.033	mg/kg	#DIV/0!	-
01481-001-2025	Bromuconazole	243.90	-	0.488	0.051	mg/kg	#DIV/0!	-
	Prochloraz	259.40	-	0.519	0.044	mg/kg	#DIV/0!	-

CONTROL DE CALIDAD

Evaluación de la recuperación del estándar interno (adicionado antes de la extracción o surrogado): Prometrina (50-130%)

Código muestra UCCRT	Concentración adicionada (µg/kg)	Concentración obtenida M1 (µg/kg)	Concentración obtenida M2 (µg/kg)	Concentración promedio (µg/kg)	%Rec	Obs.
01414-001-2025	100	54.40	-	108.80	108.80	-
01415-001-2025	100	45.40	-	90.80	90.80	-
01416-001-2025	100	57.10	-	114.20	114.20	-
01417-001-2025	100	54.80	-	109.60	109.60	-
01418-001-2025	100	47.70	-	95.40	95.40	-
01420-001-2025	100	55.90	-	111.80	111.80	-
01421-001-2025	100	57.30	-	114.60	114.60	-
01422-001-2025	100	57.70	-	115.40	115.40	-
01427-001-2025	100	47.50	-	95.00	95.00	-
01444-001-2025	100	54.10	-	108.20	108.20	-
01445-001-2025	100	59.30	-	118.60	118.60	-
01446-001-2025	100	55.80	-	111.60	111.60	-
01447-001-2025	100	53.20	-	106.40	106.40	-
01453-001-2025	100	95.30	-	110.60	110.60	-
01456-001-2025	100	58.10	53.80	111.90	111.90	-
01458-001-2025	100	44.20	-	88.40	88.40	-

01459-001-2025	100	47.00	-	94.00	94.00	-
01460-001-2025	100	50.50	-	100.20	100.20	-
01477-001-2025	100	46.50	-	93.00	93.00	-
01478-001-2025	100	50.40	-	100.80	100.80	-
01479-001-2025	100	51.60	-	103.20	103.20	-
01480-001-2025	100	48.30	-	96.60	96.60	-
01481-001-2025	100	44.00	-	88.00	88.00	-
Observaciones:						
N.D. : No Detectable N/A : No Aplica Incertidumbre de la medición: Factor de cobertura k=2 * Plagüicida o analito fuera del alcance de la acreditación ISO IEC17025						
Fecha de reporte: 28/04/2025 15:12						
Diego Chirinos Rosana Ventocilla Especialista				Orlando Lucas A Supervisor Técnico UCCIRT		