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**LIST OF TESTING CARRIED OUT IN THE FRAMEWORK OD FLEXIBLE SCOPE**

**GAS CHROMATOGRAPHY LABORATORY**

**GAS CHROMATOGRAPHY LABORATORY**

Chwaszczyńska 180, 81-571 Gdynia

| Subject of research / product | Type of activity / tested qualities / method | Reference document |
|---|---|---|
| **Products containing ethyl alcohol and other solvents [1]** | **Organic compounds concentration [2], [3]**<br>**Gas chromatography method with flame ionization detection (GC-FID)** | **Standardized methods [6]**<br>**In-house test procedures [5]** |
| Products containing ethyl alcohol | Concentration of ethanol, methanol, 1-propanol, 2-propanol, 1-butanol, 2-butanol, isobutanol, 2-methyl-2-propanol, 1-pentanol, acetone and methyl ethyl ketone (MEK)<br>Range:<br>ethanol (30 – 100) % (m/m)<br>for other compounds (0,1 – 6,0) % (m/m)<br>Calculated per 100% ethyl alcohol<br>Gas chromatography method with flame ionization detection (GC-FID) | PB-83/GC ed. I of 01.02.2009 |
| Disinfectants containing alcohol | Alcohol content: ethanol, 1-propanol, 2-propanol, methanol nad glycerine<br>Range:<br>ethanol (1,0 – 100) % (v/v)<br>1-propanol (1,0 – 100) % (v/v)<br>2-propanol (1,0 – 100) % (v/v)<br>methanol (1,0 – 100) % (v/v)<br>glycerine (0,02 – 5,0) % (v/v)<br>Gas chromatography method with flame ionization detection (GC-FID) | PB-442/GC ed. I of 28.09.2020 |
| Spirit drinks:<br>whiskey, brandy, rum, spirits of viticultural origin, fruit spirits, grappa, white and flavored vodka | Determination of volatile substances and methanol of spirit drinks<br>Range:<br>acetaldehyde (ethanal) (0,3 – 1500) g/hl of absolute alcohol<br>1,1-diethoxyethane (acetal) (0,3 – 1500) g/hl of absolute alcohol<br>ethyl acetate (0,3 – 1500) g/hl of absolute alcohol<br>butan-2-ol (0,3 – 1500) g/hl of absolute alcohol<br>propan-1-ol (0,3 – 1500) g/hl of absolute alcohol<br>isobutanol (0,3 – 1500) g/hl of absolute alcohol<br>butan-1-ol (0,3 – 1500) g/hl of absolute alcohol<br>2-methylbutan-1-ol (0,3 – 1500) g/hl of absolute alcohol<br>3-methylbutan-1-ol (0,3 – 1500) g/hl of absolute alcohol<br>methanol (5,0 – 1500) g/hl of absolute alcohol<br>Gas chromatography method with flame ionization detection (GC-FID) | PB-316/GC ed. III of 10.05.2017 |

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| **Agriculture products [1] including feed Food [1]** | **Sterols content [2], [3] Gas chromatography method with flame ionization detection (GC-FID)** | **Standardized methods [6] In-house test procedures [5]** |
| Agriculture products including feed for animals,<br>Food concentrates,<br>Meat and meat products,<br>Milk and dairy products,<br>Non-alcoholic beverages (carbonated and non-carbonated soft drinks, juices and syrups),<br>Fruits, vegetables, fruit and vegetable products and vegetable with meat products,<br>Fish and fishery products and seafood,<br>Sweets and sugar confectionery,<br>Foodstuffs for particular nutritional uses,<br>Animal and vegetable fats and oils<br>Cereals and cereal products,<br>Frozen products,<br>Ready-made culinary products,<br>Poultry and poultry products,<br>Eggs and eggs products,<br>Carcases, clippings from carcass<br>Dietary supplements and nutritional foods<br>Food additives<br>Products used in animal nutrition | Cholesterol content<br><br>Range: (2 – 3000) mg/100g of fat<br><br>Gas chromatography method with flame ionization detection (GC-FID) | PB-75/GC ed. I of 20.01.2009 |

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**GAS CHROMATOGRAPHY LABORATORY**

| Subject of research / product | Type of activity / tested qualities / method | Reference document |
|---|---|---|
| **Agriculture products [1] including feed Food [1]** | **Fatty acids content [2), 3)]**<br>**Gas chromatography method with flame ionization detection (GC-FID)**<br>**Sum**<br>**(from calculation)** | **Standardized methods [6)]**<br>**In-house test procedures [5)]** |
| Agriculture products including feed for animals<br>Coffee and Tea,<br>Food concentrates,<br>Meat and meat products,<br>Non-alcoholic beverages (carbonated and non-carbonated soft drinks, juices and syrups),<br>Spirits and alcoholic beverages,<br>Fruits, vegetables, fruit and vegetable products and vegetable with meat products,<br>Fish and fishery products and seafood,<br>Sweets and sugar confectionery,<br>Herbal raw materials and products, spices,<br>Foodstuffs for particular nutritional uses,<br>Animal and vegetable fats and oils,<br>Cereals and cereal products,<br>Frozen products,<br>Ready-made culinary products,<br>Poultry and poultry products,<br>Eggs and eggs products<br>Carcases, clippings from carcass,<br>Dietary supplements and nutritional foods,<br>Food additives,<br>Products used in animal nutrition | Fatty acids profile:<br>C4:0 butyric acid<br>C6:0 caproic acid<br>C8:0 caprylic acid<br>C10:0 capric acid<br>C11:0 undecylic acid<br>C12:0 lauric acid<br>C13:0 tridecylic acid<br>C14:0 myristic acid<br>C14:1 myristoleic acid<br>C15:0 pentadecanoic acid<br>C15:1 ginkgolic acid<br>C16:0 palmitic acid<br>C16:1n7 palmitoleic acid<br>C16:2n4 hexadecadienoic acid<br>C16:3n4 hexadecatrienoic acid<br>C17:0 margaric acid<br>C17:1 margaroleic acid<br>C18:0 stearic acid<br>C18:1n9 trans elaidic acid<br>C18:1n7 vaccenic acid<br>C18:1n9 oleic acid<br>C18:2n6t trans linolelaidic acid<br>C18:2n6c linoleic acid (LA)<br>C20:0 arachidic acid<br>C18:3n6 γ-linolenic acid (GLA)<br>C21:0 heneicosanoic acid<br>C20:1n9 eicosenoic acid<br>C18:3n3 α-linolenic acid (ALA)<br>C18:3n4 octadecatrienoic acid<br>C18:4n3 stearidonic acid (SDA)<br>C20:2n6 eicosadienoic acid<br>C22:0 behenic acid<br>C20:3n6 dihomo-γ-linolenic acid<br>C22:1n9 erucic acid<br>C22:1n11 gadoleic acid<br>C20:3n3 eicosatrienoic acid (ETE)<br>C20:4n6 arachidonic acid (ARA)<br>C23:0 tricosylic acid<br>C22:2n6 docosadienoic acid<br>C20:4n3 eicosatetraenoic acid (ETA)<br>C20:5n3 eicosapentaenoic acid (EPA)<br>C24:0 lignoceric acid<br>C24:1n9 nervonic acid<br>C22:5n3 docosapentaenoic acid (DPA)<br>C22:6n3 docosahexaenoic acid (DHA)<br><br>Range: (0,1 – 91,0) %<br><br>Gas chromatography method with flame ionization detection (GC-FID)<br><br>Sum<br>(from calculation) | PN-EN ISO 12966-1:2015-01,<br>PN-EN ISO 12966-2:2017-05<br>excluding p. 5.3 i 5.5<br>PN-EN ISO 12966-4:2015-07 |

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| Milk and dairy products | Fatty acids profile:<br>C4:0 butyric acid<br>C6:0 caproic acid<br>C8:0 caprylic acid<br>C10:0 capric acid<br>C11:0 undecylic acid<br>C12:0 lauric acid<br>C13:0 tridecylic acid<br>C14:0 myristic acid<br>C14:1 myristoleic acid<br>C15:0 pentadecanoic acid<br>C15:1 ginkgolic acid<br>C16:0 palmitic acid<br>C16:1n7 palmitoleic acid<br>C16:2n4 hexadecadienoic acid<br>C16:3n4 hexadecatrienoic acid<br>C17:0 margaric acid<br>C17:1 margaroleic acid<br>C18:0 stearic acid<br>C18:1n9 trans elaidic acid<br>C18:1n7 vaccenic acid<br>C18:1n9 oleic acid<br>C18:2n6t trans linolelaidic acid<br>C18:2n6c linoleic acid (LA)<br>C20:0 arachidic acid<br>C18:3n6 γ-linolenic acid (GLA)<br>C21:0 heneicosanoic acid<br>C20:1n9 eicosenoic acid<br>C18:3n3 α-linolenic acid (ALA)<br>C18:3n4 octadecatrienoic acid<br>C18:4n3 stearidonic acid (SDA)<br>C20:2n6 eicosadienoic acid<br>C22:0 behenic acid<br>C20:3n6 dihomo-γ-linolenic acid<br>C22:1n9 erucic acid<br>C22:1n11 gadoleic acid<br>C20:3n3 eicosatrienoic acid (ETE)<br>C20:4n6 arachidonic acid (ARA)<br>C23:0 tricosylic acid<br>C22:2n6 docosadienoic acid<br>C20:4n3 eicosatetraenoic acid (ETA)<br>C20:5n3 eicosapentaenoic acid (EPA)<br>C24:0 lignoceric acid<br>C24:1n9 nervonic acid<br>C22:5n3 docosapentaenoic acid (DPA)<br>C22:6n3 docosahexaenoic acid (DHA)<br><br>Range: (0,1 – 91,0) %<br><br>Gas chromatography method with flame ionization detection (GC-FID)<br>Sum<br>(from calculation) | PB-365 ed. I of 15.09.2017 |

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**GAS CHROMATOGRAPHY LABORATORY**

| Subject of research / product | Type of activity / tested qualities / method | | | | Reference document |
|---|---|---|---|---|---|
| **Agriculture products including feed for animals [1] Food [1]** | **Pesticides residues content [2], [3] Gas chromatography method with mass spectrometry detection (GC-MS), tandem mass spectrometry detection (GC-MS-MS)** | | | | **Standardized methods [6] In-house test procedures [5]** |
| Agriculture products including feed for animals,<br>Tea<br>Food concentrates,<br>Meat and meat products,<br>Milk and dairy products,<br>Non-alcoholic beverages (carbonated and non-carbonated soft drinks, juices and syrups),<br>Spirits and alcoholic beverages,<br>Fruits, vegetables, fruit and vegetable products and vegetable with meat products,<br>Fish and fishery products and seafood,<br>Sweets and sugar confectionery,<br>Herbal raw materials and products, spices,<br>Foodstuffs for particular nutritional uses,<br>Animal and vegetable fats and oils,<br>Oilseeds,<br>Cereals and cereal products,<br>Frozen products,<br>Ready-made culinary products,<br>Poultry and poultry products,<br>Eggs and eggs products,<br>Carcases, clippings from carcass,<br>Dietary supplements and nutritional foods,<br>Food additives,<br>Products used in animal nutrition, | Pesticides residues content | | | | LMBG-00.00-34:1999 (DFG S19) except E9 |
| | Range: | | | mg/kg | |
| | Aldrin | 0,005 | - | 0,5 | |
| | Anthraquinone | 0,01 | - | 0,5 | |
| | Azinphos-ethyl | 0,01 | - | 0,5 | |
| | Azinphos-methyl | 0,01 | - | 2,0 | |
| | Bifenthrin | 0,01 | - | 20 | |
| | Bromophos | 0,005 | - | 4,0 | |
| | Bromophos-ethyl | 0,01 | - | 0,5 | |
| | Bromopropylate | 0,01 | - | 0,5 | |
| | Captan | 0,01 | - | 5,0 | |
| | Carbophenothion | 0,01 | - | 1,0 | |
| | Chlordane, cis | 0,005 | - | 0,5 | |
| | Chlordane, trans | 0,005 | - | 0,5 | |
| | Chlorfenapyr | 0,01 | - | 0,5 | |
| | Chlorfenson | 0,01 | - | 0,5 | |
| | Chlorfenvinphos | 0,01 | - | 2,0 | |
| | Chlorothalonil | 0,005 | - | 20 | |
| | Chlorpyrifos | 0,005 | - | 5,0 | |
| | Chlorpyrifos-methyl | 0,005 | - | 2,0 | |
| | Cyfluthrin (sum of isomers) | 0,01 | - | 5,0 | |
| | Cyhalothrin-lambda | 0,01 | - | 0,5 | |
| | Cypermethrin (sum of isomers) | 0,02 | - | 50 | |
| | DDD-o,p' | 0,005 | - | 2,0 | |
| | DDD-p,p' | 0,005 | - | 2,0 | |
| | DDE-o,p' | 0,005 | - | 2,0 | |
| | DDE-p,p' | 0,005 | - | 2,0 | |
| | DDT-o,p' | 0,005 | - | 2,0 | |
| | DDT-p,p' | 0,005 | - | 2,0 | |
| | Deltamethrin | 0,01 | - | 7,0 | |
| | Diazinon | 0,01 | - | 2,0 | |
| | Dichlofenthion | 0,01 | - | 1,0 | |
| | Dichlofluanid | 0,005 | - | 10 | |
| | Dichlorvos (DDVP) | 0,01 | - | 0,5 | |
| | Dicofol | 0,01 | - | 4,0 | |
| | Dieldrin | 0,005 | - | 1,5 | |
| | Difenoconazole | 0,01 | - | 0,5 | |
| | Endosulfan alfa izomer | 0,01 | - | 50 | |
| | Endosulfan beta izomer | 0,01 | - | 50 | |
| | Endosulfan sulphate | 0,01 | - | 50 | |
| | Endrin | 0,005 | - | 1,0 | |

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|---|---|---|---|---|---|
| | Ethion | 0,005 | - | 5,0 | LMBG-00.00-34:1999 (DFG S19) except E9 |
| | Etrimfos | 0,005 | - | 1,0 | |
| | Fenchlorphos | 0,005 | - | 0,5 | |
| | Fenitrothion | 0,005 | - | 4,0 | |
| | Fenson | 0,005 | - | 1,0 | |
| | Fensulfothion | 0,01 | - | 1,0 | |
| | Fenthion | 0,01 | - | 2,0 | |
| | Fenvalerate (sum of isomers) | 0,01 | - | 0,5 | |
| | Fluvalinate-tau | 0,01 | - | 1,0 | |
| | Folpet | 0,01 | - | 20 | |
| | Fonofos | 0,005 | - | 0,5 | |
| | HCH alfa izomer | 0,005 | - | 1,0 | |
| | HCH beta izomer | 0,005 | - | 1,0 | |
| | HCH delta izomer | 0,005 | - | 1,0 | |
| | Heptachlor | 0,005 | - | 1,0 | |
| | Heptachlor epoxide, cis | 0,005 | - | 1,0 | |
| | Heptachlor epoxide, trans | 0,005 | - | 1,0 | |
| | Heptenophos | 0,005 | - | 1,0 | |
| | Hexachlorobenzene (HCB) | 0,005 | - | 0,5 | |
| | Isocarbophos | 0,01 | - | 0,5 | |
| | Isodrin | 0,005 | - | 1,0 | |
| | Isofenphos | 0,005 | - | 0,5 | |
| | Lindane (HCH gamma izomer) | 0,005 | - | 1,0 | |
| | Malaoxon | 0,01 | - | 1,0 | |
| | Malathion | 0,005 | - | 10 | |
| | Mecarbam | 0,01 | - | 0,5 | |
| | Metalaxyl i Matalaxyl-M (sum of isomers) | 0,01 | - | 20 | |
| | Methacrifos | 0,01 | - | 0,5 | |
| | Methamidophos | 0,01 | - | 10 | |
| | Methidathion | 0,01 | - | 1,0 | |
| | Methoxychlor | 0,005 | - | 1,0 | |
| | Metolachlor | 0,01 | - | 1,0 | |
| | Metribuzin | 0,005 | - | 1,0 | |
| | Mevinphos (sum of isomers) | 0,01 | - | 1,0 | |
| | Mirex | 0,005 | - | 1,0 | |
| | Myclobutanil | 0,01 | - | 5,0 | |
| | Nuarimol | 0,01 | - | 1,0 | |
| | Omethoate | 0,01 | - | 1,0 | |
| | Oxychlordane (Octachlorepoxide) | 0,005 | - | 0,5 | |
| | Paraoxon-methyl | 0,01 | - | 1,0 | |
| | Parathion | 0,01 | - | 1,0 | |

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|---|---|---|---|---|---|
| | Parathion-methyl | 0,005 | - | 1,0 | LMBG-00.00-34:1999 (DFG S19) except E9 |
| | Penconazole | 0,01 | - | 1,0 | |
| | Pentachloroaniline | 0,005 | - | 1,0 | |
| | Permethrin (sum of isomers) | 0,01 | - | 0,5 | |
| | Phenthoate | 0,01 | - | 1,0 | |
| | Phorate | 0,01 | - | 0,5 | |
| | Phosalone | 0,005 | - | 4,0 | |
| | Phosmet | 0,005 | - | 0,5 | |
| | Phosphamidon (sum of isomers) | 0,01 | - | 1,0 | |
| | Pirimicarb | 0,01 | - | 2,0 | |
| | Pirimiphos-ethyl | 0,005 | - | 4,0 | |
| | Pirimiphos-methyl | 0,005 | - | 4,0 | |
| | Procymidone | 0,01 | - | 20 | |
| | Profenofos | 0,01 | - | 10 | |
| | Propachlor | 0,005 | - | 1,0 | |
| | Propetamphos | 0,01 | - | 1,0 | |
| | Propiconazole (sum of isomers) | 0,01 | - | 1,0 | |
| | Propyzamide | 0,01 | - | 2,0 | |
| | Pyrazophos | 0,01 | - | 0,5 | |
| | Pyridaphenthion | 0,01 | - | 1,0 | |
| | Quinalphos | 0,01 | | 0,5 | |
| | Quintozene | 0,01 | - | 1,0 | |
| | S 421 (Octachlordipropylether) | 0,01 | - | 0,5 | |
| | Simazine | 0,01 | - | 1,0 | |
| | Sulfotep | 0,005 | - | 1,0 | |
| | Tebuconazole | 0,01 | - | 0,5 | |
| | Tecnazene | 0,01 | - | 0,5 | |
| | Terbuthylazine | 0,01 | - | 0,5 | |
| | Tetradifon | 0,005 | - | 2,0 | |
| | Tetrametrin (sum of isomers) | 0,01 | - | 1,0 | |
| | Tetrasul | 0,005 | - | 1,0 | |
| | Thiometon | 0,01 | - | 1,0 | |
| | Trifluralin | 0,005 | - | 1,0 | |
| | Vinclozolin | 0,005 | - | 20 | |
| | Gas chromatography method with tandem mass spectrometry detection (GC-MS/MS) | | | | |

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|---|---|---|---|---|---|
| Agriculture products including feed for animals,<br>Tea<br>Food concentrates,<br>Meat and meat products,<br>Milk and dairy products,<br>Non-alcoholic beverages (carbonated and non-carbonated soft drinks, juices and syrups),<br>Spirits and alcoholic beverages,<br>Fruits, vegetables, fruit and vegetable products and vegetable with meat products,<br>Fish and fishery products and seafood,<br>Sweets and sugar confectionery,<br>Herbal raw materials and products, spices,<br>Foodstuffs for particular nutritional uses,<br>Animal and vegetable fats and oils,<br>Oilseeds,<br>Cereals and cereal products,<br>Frozen products,<br>Ready-made culinary products,<br>Poultry and poultry products,<br>Eggs and eggs products,<br>Carcases, clippings from carcass,<br>Dietary supplements and nutritional foods,<br>Food additives,<br>Products used in animal nutrition | Pesticides residues content | | | | PN-EN 15662:2018-06 (GC-MS/MS) |
| | Range: | | | mg/kg | |
| | 2-Phenylphenol | 0,01 | - | 0,5 | |
| | Aldrin | 0,005 | - | 6,0 | |
| | Anthraquinone | 0,01 | - | 0,5 | |
| | Azinphos-ethyl | 0,01 | - | 0,4 | |
| | Azinphos-methyl | 0,01 | - | 0,5 | |
| | Azoxystrobin | 0,01 | - | 5,0 | |
| | Bifenthrin | 0,01 | - | 5,0 | |
| | Biphenyl | 0,01 | - | 0,5 | |
| | Boscalid | 0,01 | - | 7,0 | |
| | Bromophos | 0,005 | - | 1,0 | |
| | Bromophos-ethyl | 0,01 | - | 0,5 | |
| | Camphechlor (Toxaphene) | 0,1 | - | 0,5 | |
| | Captan | 0,01 | - | 6,0 | |
| | Carbophenothion | 0,005 | - | 0,4 | |
| | Chlordane, cis | 0,005 | - | 0,4 | |
| | Chlordane, trans | 0,005 | - | 0,5 | |
| | Chlorfenson | 0,01 | - | 0,5 | |
| | Chlorfenvinphos | 0,01 | - | 0,5 | |
| | Chlorothalonil | 0,005 | - | 0,4 | |
| | Chlorpyrifos | 0,005 | - | 5,0 | |
| | Chlorpyrifos-methyl | 0,005 | - | 6,0 | |
| | Cyfluthrin (sum of isomers) | 0,01 | - | 5,0 | |
| | Cypermethrin (sum of isomers) | 0,02 | - | 5,0 | |
| | Cyprodinil | 0,01 | - | 5,0 | |
| | DDD-o,p' | 0,005 | - | 6,0 | |
| | DDD-p,p' | 0,005 | - | 5,0 | |
| | DDE-o,p' | 0,005 | - | 6,0 | |
| | DDE-p,p' | 0,005 | - | 6,0 | |
| | DDT-o,p' | 0,005 | - | 5,0 | |
| | DDT-p,p' | 0,005 | - | 5,0 | |
| | Deltamethrin | 0,01 | - | 7,0 | |
| | Diazinon | 0,01 | - | 5,0 | |
| | Dichlobenil | 0,01 | - | 0,5 | |
| | Dichlofenthion | 0,01 | - | 0,5 | |
| | Dichlofluanid | 0,005 | - | 0,5 | |
| | Dichlorvos (DDVP) | 0,01 | - | 0,5 | |
| | Diclofop-methyl | 0,01 | - | 0,5 | |
| | Dicofol | 0,01 | - | 0,5 | |
| | Dieldrin | 0,005 | - | 0,5 | |
| | Difenoconazole | 0,01 | - | 5,0 | |
| | Diphenylamine | 0,005 | - | 0,1 | |
| | Endosulfan alpha isomer | 0,01 | - | 5,0 | |
| | Endosulfan beta isomer | 0,01 | - | 5,0 | |

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| | Endosulfan sulphate | 0,01 | - | 6,0 | PN-EN 15662:2018-06 (GC-MS/MS) |
| | Endrin | 0,005 | - | 0,8 | |
| | Ethion | 0,005 | - | 0,4 | |
| | Etrimfos | 0,005 | - | 0,5 | |
| | Fenchlorphos | 0,005 | - | 0,5 | |
| | Fenitrothion | 0,005 | - | 5,0 | |
| | Fenson | 0,005 | - | 0,5 | |
| | Fensulfothion | 0,01 | - | 0,5 | |
| | Fenthion | 0,01 | - | 0,5 | |
| | Fenvalerate (sum of isomers) | 0,01 | - | 5,0 | |
| | Fludioxonil | 0,01 | - | 5,0 | |
| | Fluopyram | 0,01 | - | 0,1 | |
| | Fluvalinate-tau | 0,01 | - | 0,5 | |
| | Folpet | 0,01 | - | 6,0 | |
| | Fonofos | 0,005 | - | 0,5 | |
| | HCH alpha isomer | 0,005 | - | 0,3 | |
| | HCH beta isomer | 0,005 | - | 0,6 | |
| | HCH delta isomer | 0,005 | - | 0,4 | |
| | Heptachlor | 0,005 | - | 0,4 | |
| | Heptachlor epoxide, cis | 0,005 | - | 0,3 | |
| | Heptachlor epoxide, trans | 0,005 | - | 0,3 | |
| | Heptenophos | 0,005 | - | 0,5 | |
| | Hexachlorobenzene (HCB) | 0,005 | - | 0,3 | |
| | Iprobenfos | 0,01 | - | 0,5 | |
| | Iprodione | 0,01 | - | 0,1 | |
| | Isodrin | 0,005 | - | 0,5 | |
| | Isofenphos | 0,005 | - | 0,5 | |
| | Lindane (HCH gamma isomer) | 0,005 | - | 0,4 | |
| | Malaoxon | 0,01 | - | 0,5 | |
| | Malathion | 0,005 | - | 0,4 | |
| | Mecarbam | 0,01 | - | 0,5 | |
| | Metalaxyl i Metalaxyl M (sum of isomers) | 0,01 | - | 5,0 | |
| | Methacrifos | 0,01 | - | 0,5 | |
| | Methamidophos | 0,01 | - | 0,5 | |
| | Methidathion | 0,01 | - | 0,5 | |
| | Methoxychlor | 0,005 | - | 0,5 | |
| | Metolachlor | 0,01 | - | 5,0 | |
| | Metribuzin | 0,005 | - | 5,0 | |
| | Mevinphos | 0,01 | - | 0,5 | |
| | Mirex | 0,005 | - | 0,3 | |
| | Myclobutanil | 0,01 | - | 0,5 | |
| | Naled | 0,01 | - | 0,5 | |
| | Nitrofen | 0,01 | - | 0,5 | |

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| | Nuarimol | 0,01 | - | 0,5 | PN-EN 15662:2018-06 (GC-MS/MS) |
| | Omethoate | 0,01 | - | 0,5 | |
| | Oxadixyl | 0,01 | - | 0,5 | |
| | Oxychlordane (Octachlorepoxide) | 0,005 | - | 0,5 | |
| | Oxyfluorfen | 0,01 | - | 5,0 | |
| | Paraoxon-methyl | 0,01 | - | 0,4 | |
| | Parathion | 0,01 | - | 0,5 | |
| | Parathion-methyl | 0,005 | - | 0,5 | |
| | PCB 28 | 0,005 | - | 0,5 | |
| | PCB 52 | 0,005 | - | 0,5 | |
| | PCB 101 | 0,005 | - | 0,5 | |
| | PCB 118 | 0,005 | - | 0,5 | |
| | PCB 138 | 0,005 | - | 0,5 | |
| | PCB 153 | 0,005 | - | 0,5 | |
| | PCB 180 | 0,005 | - | 0,5 | |
| | PCB 209 | 0,005 | - | 0,5 | |
| | Penconazole | 0,01 | - | 5,0 | |
| | Pendimethalin | 0,01 | - | 0,1 | |
| | Pentachloroaniline | 0,005 | - | 1,0 | |
| | Permethrin (sum of isomers) | 0,01 | - | 0,3 | |
| | Phenthoate | 0,01 | - | 0,5 | |
| | Phorate | 0,01 | - | 0,5 | |
| | Phosalone | 0,005 | - | 0,4 | |
| | Phosmet | 0,005 | - | 0,4 | |
| | Phosphamidon (sum of isomers) | 0,01 | - | 0,5 | |
| | Piperonyl butoxide | 0,01 | - | 0,5 | |
| | Pirimicarb | 0,01 | - | 5,0 | |
| | Pirimiphos-ethyl | 0,005 | - | 0,4 | |
| | Pirimiphos-methyl | 0,005 | - | 5,0 | |
| | Procymidone | 0,01 | - | 5,0 | |
| | Profenofos | 0,01 | - | 0,4 | |
| | Propachlor | 0,02 | - | 0,5 | |
| | Propetamphos | 0,01 | - | 0,5 | |
| | Propiconazole (sum of isomers) | 0,01 | - | 7,0 | |
| | Propyzamide | 0,01 | - | 6,0 | |
| | Pyrazophos | 0,01 | - | 0,5 | |
| | Pyridaphenthion | 0,01 | - | 0,5 | |
| | Quinalphos | 0,01 | - | 0,5 | |
| | Quintozene | 0,01 | - | 1,0 | |
| | Simazine | 0,01 | - | 0,5 | |
| | Sulfotep | 0,005 | - | 0,5 | |
| | Tebuconazole | 0,01 | - | 5,0 | |
| | Tecnazene | 0,01 | - | 0,4 | |
| | Terbuthylazine | 0,01 | - | 5,0 | |
| | Tetradifon | 0,005 | - | 0,5 | |

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| | Tetramethrin (sum of isomers) | 0,01 | - | 0,5 | PN-EN 15662:2018-06 (GC-MS/MS) |
| | Tetrasul | 0,005 | - | 0,5 | |
| | Thiometon | 0,01 | - | 0,5 | |
| | Trifluralin | 0,005 | - | 5,0 | |
| | Vinclozolin | 0,005 | - | 0,4 | |
| | Gas chromatography method with tandem mass spectrometry detection (GC-MS/MS) | | | | |
| **Agriculture products including feed for animals [1] Food [1]** | **Pesticides residues content [2], [3] High-performance liquid chromatography method coupled with tandem mass spectrometry (LC-MS/MS)** | | | | **Standardized methods [6] In-house test procedures [5]** |
| Agriculture products including feed for animals, Tea, Food concentrates, Meat and meat products, Milk and dairy products, Non-alcoholic beverages (carbonated and non-carbonated soft drinks, juices and syrups), Spirits and alcoholic beverages, Fruits, vegetables, fruit and vegetable products and vegetable with meat products, Fish and fishery products and seafood, Sweets and sugar confectionery, Honey, Herbal raw materials and products, spices, Foodstuffs for particular nutritional uses, Animal and vegetable fats and oils, Oilseeds, Cereals and cereal products, Frozen products, Ready-made culinary products, Poultry and poultry products, Eggs and eggs products, Carcases, clippings from carcass, Dietary supplements and nutritional foods, Food additives, Products used in animal nutrition | Pesticides residues content Range: | | | mg/kg | PN-EN 15662:2018-06 (LC-MS/MS) |
| | 1-Naphthylacetic acid (1-NAA) | 0,01 | - | 10 | |
| | 2,4,5-T | 0,005 | - | 10 | |
| | 2,4-D | 0,005 | - | 10 | |
| | 2,4-DB | 0,01 | - | 10 | |
| | 2-Naphthoxyacetic acid | 0,01 | - | 10 | |
| | 3,4,5-Trimethacarb | 0,005 | - | 10 | |
| | 3-Hydroxycarbofuran | 0,005 | - | 10 | |
| | 4-Chlorophenoxyacetic acid (4-CPA) | 0,01 | - | 10 | |
| | 6-hydroxy bentazone | 0,005 | - | 0,1 | |
| | 8-hydroxy bentazone | 0,005 | - | 0,1 | |
| | Abamectin | 0,005 | - | 10 | |
| | Acephate | 0,005 | - | 10 | |
| | Acetamiprid | 0,005 | - | 10 | |
| | Acibenzolar-S-methyl | 0,02 | - | 10 | |
| | Aldicarb | 0,005 | - | 10 | |
| | Aldicarb sulfone | 0,005 | - | 10 | |
| | Aldicarb sulfoxide | 0,005 | - | 10 | |
| | Ametoctradin | 0,01 | - | 10 | |
| | Aminocarb | 0,01 | - | 10 | |
| | Amitraz | 0,01 | - | 10 | |
| | Azaconazole | 0,005 | - | 10 | |
| | Azadirachtin | 0,01 | - | 10 | |
| | Azimsulforon | 0,01 | - | 0,1 | |
| | Azinphos-ethyl | 0,005 | - | 10 | |
| | Azinphos-methyl | 0,005 | - | 10 | |
| | Azocyclotin | 0,01 | - | 10 | |
| | Barban | 0,005 | - | 10 | |
| | Bendiocarb | 0,005 | - | 10 | |
| | Benomyl | 0,005 | - | 10 | |
| | Bentazone | 0,005 | - | 0,1 | |
| | Benthiavalicarb-isopropyl | 0,005 | - | 10 | |
| | Bifenazate | 0,01 | - | 10 | |
| | Binapacryl | 0,01 | - | 10 | |
| | Bromuconazole (suma izomerów) | 0,01 | - | 10 | |
| | BTS27271 | 0,01 | - | 0,1 | |
| | BTS27919 | 0,005 | - | 0,1 | |
| | Buprofezin | 0,005 | - | 10 | |
| | Butocarboxim | 0,005 | - | 10 | |
| | Butocarboxim sulfone | 0,005 | - | 10 | |
| | Butocarboxim sulfoxide | 0,005 | - | 10 | |

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|---|---|---|---|---|---|
| | Butylate | 0,01 | - | 10 | PN-EN 15662:2018-06 (LC-MS/MS) |
| | Cadusafos | 0,01 | - | 2,0 | |
| | Captafol | 0,005 | - | 10 | |
| | Carbaryl | 0,005 | - | 10 | |
| | Carbendazim | 0,005 | - | 10 | |
| | Carbetamide | 0,02 | - | 10 | |
| | Carbofuran | 0,005 | - | 10 | |
| | Carbosulfan | 0,01 | - | 10 | |
| | Carboxin | 0,01 | - | 10 | |
| | Cartap | 0,01 | - | 2,0 | |
| | Chlorantraniliprole | 0,005 | - | 10 | |
| | Chlorbromuron | 0,005 | - | 10 | |
| | Chlorfenvinphos | 0,01 | - | 10 | |
| | Chloridazon (Pyrazon) | 0,01 | - | 2,0 | |
| | Chlormesulone | 0,01 | - | 10 | |
| | Chlorothalonil | 0,004 | - | 10 | |
| | Chlorotoluron | 0,005 | - | 10 | |
| | Chloroxuron | 0,01 | - | 10 | |
| | Chlorpropham | 0,01 | - | 15 | |
| | Clethodim | 0,005 | - | 10 | |
| | Clofentezine | 0,005 | - | 10 | |
| | Clopyralid (3,6-dichloropicolinic acid) | 0,01 | - | 10 | |
| | Clothianidin | 0,005 | - | 10 | |
| | Cyazofamid | 0,01 | - | 10 | |
| | Cycloxydim | 0,01 | - | 10 | |
| | Cyhexatin | 0,01 | - | 10 | |
| | Cymoxanil | 0,01 | - | 10 | |
| | Cyproconazole | 0,01 | - | 10 | |
| | Cyromazine | 0,02 | - | 10 | |
| | Demeton-S | 0,01 | - | 2,0 | |
| | Demeton-S-methyl | 0,01 | - | 10 | |
| | Demeton-S-methyl sulfone | 0,005 | - | 10 | |
| | Desmedipham | 0,005 | - | 10 | |
| | Desmethylformamid-O-pirimicarb | 0,005 | - | 10 | |
| | Diafenthiuron | 0,01 | - | 10 | |
| | Diazinon | 0,01 | - | 10 | |
| | Dicamba | 0,01 | - | 10 | |
| | Dichlofluanid | 0,005 | - | 10 | |
| | Dichlorprop (sum of isomers) | 0,02 | - | 10 | |
| | Dichlorvos (DDVP) | 0,01 | - | 10 | |
| | Dicrotophos | 0,005 | - | 10 | |
| | Diethofencarb | 0,005 | - | 10 | |
| | Diethyltoluamide (DEET) | 0,01 | - | 10 | |
| | Difenoxuron | 0,01 | - | 10 | |
| | Diflubenzuron | 0,02 | - | 10 | |
| | Dimepiperate | 0,01 | - | 10 | |
| | Dimethoate | 0,005 | - | 10 | |
| | Dinocap (sum of isomers) | 0,01 | - | 10 | |
| | Dinoseb | 0,005 | - | 10 | |
| | Diphenamid | 0,01 | - | 10 | |
| | Diphenylamine | 0,05 | - | 10 | |

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|---|---|---|---|---|---|
| | Disulfoton | 0,005 | - | 10 | PN-EN 15662:2018-06 (LC-MS/MS) |
| | Disulfoton sulfone | 0,005 | - | 10 | |
| | Disulfoton sulfoxide | 0,005 | - | 10 | |
| | Dithianon | 0,005 | - | 2,0 | |
| | Diuron | 0,005 | - | 10 | |
| | DMST | 0,01 | - | 10 | |
| | DNOC | 0,005 | - | 10 | |
| | Emamectin benzoate | 0,005 | - | 10 | |
| | Epoxiconazole | 0,01 | - | 10 | |
| | Ethiofencarb | 0,01 | - | 10 | |
| | Ethiofencarb sulfone | 0,005 | - | 10 | |
| | Ethiofencarb sulfoxide | 0,005 | - | 10 | |
| | Ethion | 0,005 | - | 10 | |
| | Ethiprole | 0,005 | - | 10 | |
| | Ethirimol | 0,01 | - | 10 | |
| | Ethoxyquin | 0,01 | - | 10 | |
| | Etofenprox | 0,005 | - | 10 | |
| | Famoxadone | 0,01 | - | 10 | |
| | Fenarimol | 0,005 | - | 10 | |
| | Fenazaquin | 0,005 | - | 10 | |
| | Fenbutatin oxide | 0,02 | - | 10 | |
| | Fenoprop (2,4,5-TP) | 0,01 | - | 10 | |
| | Fenoxaprop-P | 0,005 | - | 10 | |
| | Fenoxycarb | 0,005 | - | 10 | |
| | Fenpropathrin | 0,01 | - | 10 | |
| | Fenpropidin | 0,01 | - | 10 | |
| | Fenpyroximate | 0,01 | - | 10 | |
| | Fensulfothion | 0,005 | - | 10 | |
| | Fensulfothion oxon | 0,005 | - | 10 | |
| | Fensulfothion oxon sulfone | 0,005 | - | 10 | |
| | Fensulfothion sulfone | 0,005 | - | 10 | |
| | Fenthion | 0,01 | - | 2,0 | |
| | Fenthion oxon sulfone | 0,01 | - | 2,0 | |
| | Fenthion oxon sulfoxide | 0,01 | - | 2,0 | |
| | Fenthion sulfone | 0,01 | - | 2,0 | |
| | Fenthion sulfoxide | 0,01 | - | 2,0 | |
| | Fentin acetate | 0,01 | - | 10 | |
| | Fipronil | 0,005 | - | 10 | |
| | Fipronil sulfone | 0,005 | - | 0,1 | |
| | Flonicamid | 0,01 | - | 10 | |
| | Florasulam | 0,005 | - | 10 | |
| | Fluazifop-P (sum of isomers) | 0,01 | - | 2,0 | |
| | Fluazifop-P-butyl | 0,01 | - | 10 | |

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| | Fluazifop-P-methyl | 0,005 | - | 0,1 | PN-EN 15662:2018-06 (LC-MS/MS) |
| | Flubendiamide | 0,01 | - | 10 | |
| | Flucycloxuron | 0,01 | - | 10 | |
| | Flufenacet | 0,01 | - | 10 | |
| | Flufenoxuron | 0,005 | - | 10 | |
| | Fluopicolide | 0,01 | - | 10 | |
| | Fluoxastrobin | 0,01 | - | 10 | |
| | Fluroxypyr | 0,02 | - | 10 | |
| | Flurprimidol | 0,01 | - | 10 | |
| | Flusilazole | 0,01 | - | 10 | |
| | Fluthiacet-methyl | 0,01 | - | 10 | |
| | Flutolanil | 0,01 | - | 10 | |
| | Flutriafol | 0,01 | - | 10 | |
| | Fomesafen | 0,01 | - | 10 | |
| | Foramsulfuron | 0,005 | - | 0,1 | |
| | Forchlorfenuron | 0,01 | - | 10 | |
| | Formetanate | 0,01 | - | 10 | |
| | Formothion | 0,005 | - | 10 | |
| | Fosthiazate | 0,01 | - | 10 | |
| | Fuberidazole | 0,005 | - | 10 | |
| | Furathiocarb | 0,005 | - | 10 | |
| | Halfenprox | 0,01 | - | 2,0 | |
| | Haloxyfop | 0,005 | - | 10 | |
| | Haloxyfop-2-ethoxyethyl | 0,01 | - | 2,0 | |
| | Haloxyfop-methyl | 0,01 | - | 2,0 | |
| | Hexaconazole | 0,01 | - | 10 | |
| | Hexythiazox | 0,005 | - | 10 | |
| | Imazalil | 0,005 | - | 10 | |
| | Imazamox | 0,005 | - | 0,1 | |
| | Imazapyr | 0,01 | - | 10 | |
| | Imazaquin | 0,02 | - | 10 | |
| | Imidacloprid | 0,005 | - | 10 | |
| | Indoxacarb (sum of isomers) | 0,005 | - | 10 | |
| | Iprodione | 0,005 | - | 10 | |
| | Iprovalicarb | 0,005 | - | 10 | |
| | Isoprocarb | 0,01 | - | 10 | |
| | Isoprothiolane | 0,01 | - | 10 | |
| | Isoproturon | 0,005 | - | 10 | |
| | Isoxaflutole | 0,005 | - | 10 | |
| | Isoxathion | 0,01 | - | 10 | |
| | Lenacil | 0,01 | - | 2,0 | |
| | Linuron | 0,005 | - | 10 | |
| | Lufenuron | 0,02 | - | 10 | |
| | Malaoxon | 0,005 | - | 10 | |
| | Malathion | 0,005 | - | 10 | |

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|---|---|---|---|---|---|
| | Mandipropamid | 0,01 | - | 10 | PN-EN 15662:2018-06 (LC-MS/MS) |
| | MCPA | 0,02 | - | 10 | |
| | MCPB | 0,02 | - | 10 | |
| | Mecarbam | 0,01 | - | 10 | |
| | Mecoprop (sum of isomers) | 0,02 | - | 10 | |
| | Mesosulfuron-methyl | 0,01 | - | 0,1 | |
| | Mepanipyrim | 0,005 | - | 10 | |
| | Mesotrione | 0,01 | - | 10 | |
| | Metaflumizone (sum of isomers) | 0,01 | - | 10 | |
| | Metalaxyl and Metalaxyl-M (sum of isomers) | 0,01 | - | 10 | |
| | Metamitron | 0,005 | - | 10 | |
| | Methabenzthiazuron | 0,005 | - | 10 | |
| | Methacrifos | 0,01 | - | 10 | |
| | Methamidophos | 0,005 | - | 10 | |
| | Methidathion | 0,01 | - | 10 | |
| | Methiocarb (Mercaptodimethur) | 0,01 | - | 10 | |
| | Methiocarb sulfone | 0,01 | - | 10 | |
| | Methiocarb sulfoxide | 0,01 | - | 10 | |
| | Methomyl | 0,005 | - | 10 | |
| | Methoxyfenozide | 0,005 | - | 10 | |
| | Metobromuron | 0,005 | - | 10 | |
| | Metolachlor | 0,01 | - | 10 | |
| | Metolcarb | 0,005 | - | 10 | |
| | Metosulam | 0,01 | - | 10 | |
| | Metoxuron | 0,005 | - | 10 | |
| | Metribuzin | 0,005 | - | 10 | |
| | Mevinphos (sum of isomers) | 0,01 | - | 10 | |
| | Monocrotphos | 0,005 | - | 10 | |
| | Monolinuron | 0,005 | - | 10 | |
| | Monuron | 0,005 | - | 10 | |
| | Myclobutanil | 0,01 | - | 10 | |
| | Napropamide | 0,01 | - | 10 | |
| | Neburon | 0,005 | - | 10 | |
| | Nitenpyram | 0,01 | - | 10 | |
| | Novaluron | 0,01 | - | 10 | |
| | Nuarimol | 0,01 | - | 10 | |
| | Omethoate | 0,005 | - | 10 | |
| | Oxadixyl | 0,01 | - | 10 | |
| | Oxamyl | 0,005 | - | 10 | |
| | Oxasulfuron | 0,005 | - | 0,1 | |
| | Oxaziclomefone | 0,01 | - | 10 | |
| | Oxydemeton-methyl | 0,005 | - | 10 | |
| | Paclobutrazol | 0,005 | - | 10 | |
| | Paraoxon | 0,01 | - | 10 | |

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| | Paraoxon-methyl | 0,005 | - | 10 | PN-EN 15662:2018-06 (LC-MS/MS) |
| | Parathion | 0,01 | - | 10 | |
| | Parathion-methyl | 0,005 | - | 10 | |
| | Penconazole | 0,01 | - | 10 | |
| | Pencycuron | 0,01 | - | 10 | |
| | Pentachlorophenol | 0,01 | - | 0,1 | |
| | Pethoxamid | 0,01 | - | 10 | |
| | Phenmedipham | 0,005 | - | 10 | |
| | Phorate | 0,01 | - | 10 | |
| | Phorate oxone | 0,005 | - | 0,1 | |
| | Phorate oxone sulfone | 0,005 | - | 0,1 | |
| | Phorate sulfone | 0,005 | - | 0,1 | |
| | Phorate suxide | 0,005 | - | 0,1 | |
| | Phosalone | 0,005 | - | 10 | |
| | Phosphamidon (sum of isomers) | 0,005 | - | 10 | |
| | Picloram | 0,01 | - | 10 | |
| | Picoxystrobin | 0,01 | - | 10 | |
| | Pinoxaden | 0,01 | - | 10 | |
| | Pirimicarb | 0,01 | - | 10 | |
| | Pirimicarb-desmethyl | 0,01 | - | 10 | |
| | Pirimiphos-ethyl | 0,005 | - | 10 | |
| | Pirimiphos-methyl | 0,005 | - | 10 | |
| | Prochloraz | 0,005 | - | 10 | |
| | Profenofos | 0,005 | - | 10 | |
| | Promecarb | 0,005 | - | 10 | |
| | Propamocarb | 0,005 | - | 10 | |
| | Propanil | 0,005 | - | 10 | |
| | Propaquizafop | 0,01 | - | 10 | |
| | Propargite | 0,01 | - | 10 | |
| | Propham | 0,01 | - | 10 | |
| | Propoxur | 0,01 | - | 10 | |
| | Propyzamide | 0,01 | - | 10 | |
| | Proquinazid | 0,01 | - | 10 | |
| | Prosulfocarb | 0,01 | - | 10 | |
| | Prothioconazole | 0,01 | - | 10 | |
| | Prothioconazole-desthio | 0,01 | - | 0,1 | |
| | Pymetrozine | 0,005 | - | 10 | |
| | Pyraclofos | 0,005 | - | 10 | |
| | Pyraclostrobin | 0,01 | - | 2,0 | |
| | Pyrazophos | 0,01 | - | 10 | |
| | Pyrethrins | 0,05 | - | 10 | |
| | Pyridaben | 0,01 | - | 10 | |
| | Pyridaphenthion | 0,01 | - | 10 | |
| | Pyridate | 0,005 | - | 10 | |
| | Pyrifenox (sum of isomers) | 0,01 | - | 10 | |

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|---|---|---|---|---|---|
| | Pyrimethanil | 0,005 | - | 10 | PN-EN 15662:2018-06 (LC-MS/MS) |
| | Pyrimidifen | 0,01 | - | 10 | |
| | Pyriproxyfen | 0,005 | - | 10 | |
| | Quinalphos | 0,01 | - | 10 | |
| | Quinclorac | 0,05 | - | 10 | |
| | Quinmerac | 0,005 | - | 10 | |
| | Quizalofop (sum of isomers) | 0,005 | - | 10 | |
| | Quizalofop-P-tefuryl | 0,01 | - | 10 | |
| | Resmethrin (sum of isomers) | 0,05 | - | 10 | |
| | Rotenone | 0,01 | - | 10 | |
| | Sethoxydim | 0,005 | - | 10 | |
| | Simazine | 0,005 | - | 10 | |
| | Simeconazole | 0,005 | - | 10 | |
| | Spinosad (Spinosyn A and D) | 0,01 | - | 10 | |
| | Spirodiclofen | 0,005 | - | 10 | |
| | Spirotetramat | 0,01 | - | 10 | |
| | Spirotetramat-enol | 0,01 | - | 10 | |
| | Spirotetramat-enolglucosid | 0,01 | - | 10 | |
| | Spirotetramat-ketohydroxy | 0,01 | - | 10 | |
| | Spirotetramat-monohydroxy | 0,01 | - | 10 | |
| | Spiroxamine (sum of isomers) | 0,005 | - | 10 | |
| | SWEP | 0,005 | - | 10 | |
| | Tebufenozide | 0,005 | - | 10 | |
| | Tebufenpyrad | 0,005 | - | 10 | |
| | Teflubenzuron | 0,05 | - | 10 | |
| | Temephos | 0,005 | - | 10 | |
| | Tepraloxydim | 0,01 | - | 10 | |
| | Terbufos | 0,01 | - | 10 | |
| | Terbufos sulfoxide | 0,01 | - | 10 | |
| | Terbuthylazine | 0,01 | - | 10 | |
| | Tetraconazole | 0,01 | - | 2,0 | |
| | Thiabendazole | 0,005 | - | 10 | |
| | Thiabendazole-5-hydroxy- | 0,01 | - | 2,0 | |
| | Thiacloprid | 0,005 | - | 10 | |
| | Thiamethoxam | 0,005 | - | 10 | |
| | Thiobencarb | 0,01 | - | 10 | |
| | Thiocarbazil | 0,01 | - | 10 | |
| | Thiodicarb | 0,005 | - | 10 | |
| | Thiofanox | 0,01 | - | 10 | |
| | Thiofanox sulfone | 0,01 | - | 2,0 | |
| | Thiofanox sulfoxide | 0,005 | - | 10 | |
| | Thiophanate-methyl | 0,005 | - | 10 | |
| | Tolfenpyrad | 0,01 | - | 10 | |
| | Tralkoxydim (sum of isomers) | 0,01 | - | 10 | |

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|---|---|---|
| | Triamiphos 0,005 - 0,1<br>Triazophos 0,01 - 10<br>Trichlorfon 0,01 - 1,0<br>Triclopyr 0,02 - 10<br>Tricyclazole 0,01 - 10<br>Tridemorph 0,01 - 10<br>Trifloxystrobin 0,01 - 0,1<br>Triflumizole 0,005 - 10<br>Triflumuron 0,01 - 10<br>Triforine 0,01 - 10<br>Zoxamide 0,01 - 10<br>High-performance liquid chromatography method coupled with tandem mass spectrometry (LC-MS/MS) | PN-EN 15662:2018-06 (LC-MS/MS) |
| **Agriculture products including feed for animals [1]**<br>**Food [1]** | **Antibiotics and chemioterapetics residues content [2], [3]**<br>**Gas chromatography method with mass spectrometry (GC-MS)** | **Standardized methods [6]**<br>**In-house test procedures [5]** |
| Agriculture products including feed for animals,<br>Meat and meat products,<br>Milk and dairy products,<br>Fish and fishery products and seafood,<br>Animal and vegetable fats and oils,<br>Poultry and poultry products,<br>Eggs and eggs products,<br>Carcases, clippings from carcass,<br>Products used in animal nutrition | Antibiotics and chemioterapetics residues content<br>Range: µg/kg<br>Chloramphenicol 0,3 - 10,0<br>Gas chromatography method with mass spectrometry (GC-MS) | PB-46/GC ed. IV of 01.07.2014 |
| Honey | Antibiotics and chemioterapetics residues content<br>Range: µg/kg<br>Chloramphenicol 0,1 - 10,0<br>Gas chromatography method with mass spectrometry (GC-MS) | PB-46/GC ed. IV of 01.07.2014 |
| **Herbs** | **Pesticides residues [2], [3]**<br>**Gas chromatography method with tandem mass spectrometry detection (GC-MS-MS)** | **PES/01 [4]** |
| Herbs | Pesticides residues content<br>Range: mg/kg<br>Acephate 0,040 - 1,50<br>Alachlor 0,020 - 2,30<br>Aldrin and dieldrin (sum of) 0,030 - 1,00<br>Azinphos-ethyl 0,060 - 1,00<br>Azinphos-methyl 0,040 - 1,30<br>HCH (sum of isomers alfa, beta, delta, epsilon) 0,050 - 1,50<br>Bromophos-methyl 0,040 - 1,10<br>Bromophos-ethyl 0,025 - 1,60<br>Bromopropylate 0,080 - 1,50<br>Chlordane (sum of *cis*-, *trans*- and oxychlordane) 0,040 - 1,00<br>Chlorfenvinphos 0,250 - 1,00<br>Chlorpyrifos-ethyl 0,040 - 2,00<br>Chlorpyrifos-methyl 0,040 - 2,00<br>Chlorthal-dimethyl 0,010 - 0,70<br>Cyfluthrin (sum of isomers) 0,040 - 1,00<br>Cyhalothrin-lambda 0,030 - 1,50<br>Cypermethrin (sum of isomers) 0,040 - 1,50<br>DDD, DDE, DDT (sum of isomers) 0,050 - 2,00 | PES/01/2011/1 ed. II of. 01.03.2011 |

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|---|---|---|---|---|---|
| | Deltamethrin | 0,040 | - | 1,00 | PES/01/2011/1 ed. II of. 01.03.2011 |
| | Diazinon | 0,040 | - | 2,50 | |
| | Dichlofluanid | 0,020 | - | 1,00 | |
| | Dichlorvos | 0,250 | - | 1,50 | |
| | Dicofol | 0,040 | - | 1,20 | |
| | Dimethoate i omethoate (sum of) | 0,030 | - | 1,50 | |
| | Endosulfan (sum of isomers end endosulfan sulfate) | 0,050 | - | 3,00 | |
| | Endrin | 0,025 | - | 1,50 | |
| | Ethion | 0,050 | - | 2,00 | |
| | Etrimphos | 0,040 | - | 3,00 | |
| | Fenchlorphos i fenchlorphos oxon (sum of) | 0,020 | - | 1,00 | |
| | Fenitrothion | 0,040 | - | 1,10 | |
| | Fenpropathrin | 0,025 | - | 1,00 | |
| | Fensulfothion (sum of fensulfothion, fensulfothion-oxon, fensulfothion-oxonsulfon, fensulfothion-sulfon) | 0,040 | - | 1,50 | |
| | Fenthion (sum of fenthion, fenthion-oxon, fenthion-oxon-sulfon, fenthion-oxon-sulfoxid, fenthion-sulfon, fenthion-sulfoxid) | 0,040 | - | 1,00 | |
| | Fenvalerate | 0,040 | - | 1,50 | |
| | Flucytrinate | 0,040 | - | 1,00 | |
| | Fluvalinate-tau | 0,030 | - | 1,20 | |
| | Fonophos | 0,050 | - | 1,00 | |
| | Heptachlor (sum of heptachlor, heptachlor epoxide *cis* and *trans*) | 0,025 | - | 1,00 | |
| | Hexachlorobenzene | 0,050 | - | 1,00 | |
| | Lindane | 0,100 | - | 1,00 | |
| | Malaoxon i malathion (sum of) | 0,500 | - | 2,50 | |
| | Mecarbam | 0,040 | - | 2,00 | |
| | Methacriphos | 0,040 | - | 0,60 | |
| | Methamidophos | 0,030 | - | 1,40 | |
| | Methidathion | 0,030 | - | 1,50 | |
| | Methoxychlor | 0,040 | - | 1,10 | |
| | Mirex | 0,010 | - | 1,00 | |
| | Monocrotophos | 0,030 | - | 1,30 | |
| | Paraoxon-ethyl i parathion-ethyl (sum of) | 0,030 | - | 1,70 | |
| | Paraoxon-methyl i parathion-methyl (sum of) | 0,040 | - | 1,20 | |
| | Pendimethalin | 0,050 | - | 1,00 | |
| | Pentachloroanisol | 0,010 | - | 1,00 | |
| | Permethrin (sum of isomers) | 0,050 | - | 2,00 | |
| | Phosalone | 0,020 | - | 1,50 | |
| | Phosmet | 0,030 | - | 1,00 | |
| | Piperonyl butoxide | 0,040 | - | 3,00 | |
| | Pirimiphos-ethyl | 0,040 | - | 1,10 | |
| | Pirimiphos-methyl and N-desethyl-pirimiphos- methyl (sum of) | 0,500 | - | 4,00 | |
| | Procymidone | 0,070 | - | 1,00 | |
| | Profenophos | 0,040 | - | 1,00 | |
| | Prothiophos | 0,040 | - | 2,00 | |
| | Pyrethrum (suma cinerin I, cinerin II, jasmolin I, jasmolin II, pyrethrin I, pyrethirn II) | 1,000 | - | 4,00 | |
| | Quinalphos | 0,040 | - | 2,00 | |

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| | Quintozene (sum of quintozene, pentachloroaniline and methyl pentachlorphenyl sulfide) 0,100 - 2,00<br>S-421 0,015 - 1,00<br>Tecnazene 0,025 - 1,50<br>Tetradifon 0,060 - 1,00<br>Vinclozolin 0,040 - 1,10<br>Gas chromatography method with tandem mass spectrometry detection (GC-MS/MS) | PES/01/2011/1 ed. II of. 01.03.2011 |
| **Herbs** | **Dithiocarbamates content expressed as carbon disulphide [2), 3)]**<br>**Headspace gas chromatography method with electron capture detection (HS-GC-ECD)** | **PES/03 [4)]** |
| Herbs | Dithiocarbamates content expressed as carbon disulphide<br>Range: mg/kg<br>0,4 - 4,0<br>Headspace gas chromatography method with electron capture detection (HS-GC-ECD) | PES/03/2011/1 ed. I of. 28.02.2011 |
| **Food [1)]** | **Acrylamide content [3)]**<br>**Gas chromatography method with mass spectrometry (GC-MS)** | **In-house test procedures [5)]** |
| Tea and coffee,<br>Food concentrates,<br>Fruits, vegetables, fruit and vegetable products and vegetable with meat products,<br>Sweets and sugar confectionery,<br>Foodstuffs for particular nutritional uses,<br>Cereals and cereal products,<br>Frozen products,<br>Ready-made culinary products,<br>Food additives | **Acrylamide content**<br>Range: µg/kg<br>Acrylamide 20 - 2000<br>Gas chromatography method with mass spectrometry (GC-MS) | PB-39/GC ed. IV of 12.01.2018 |

Within the flexible scope of accreditation, it is allowed:

[1)] Adding the subject of research within a group of subjects.
[2)] Adding the examined feature within the groups of subjects and methods (research techniques).
[3)] Change in the measuring range of the test method.
[4)] Applying updated methods described in-house test procedures.
[5)] Applying updated and implemented new methods described in the in-house test procedures.
[6)] Applying updated and implemented new methods described in the standardized methods.

| | | |
|---|---|---|
| Prepared by | Name: Agnieszka Narloch<br>Position: Quality Assurance Specialist | Date and signature: 30.08.2022 Agnieszka Narloch |
| Approved by | Name: Hanna Wachowska<br>Position: General Director | Date and signature: 30.08.2022 |