



AGROLAB LUFA Dr.-Hell-Str. 6, 24107 Kiel

Himalayan Healing Private Limited NTN#5278914-0
05 Lawrence Road
54810 Lahore
PAKISTAN

Date 06.10.2025

Customer no. 10093109

REPORT

Order 3674612
Sample no. 765188
Invoice recipient 10092107 Himaheal Spolka z ograniczona odpowiedzialnoscia
Sample acceptance 25.09.2025
Customer sample description Himalayan Shilajit
LOT-No./Batch SJ2509
Packaging 1x original per 300g

Pesticides Multiresiduemethods (See appendix for complete list of active ingredients)

In the range of performed analysis no pesticides of multimethod were detected above limit of detection/quantification.

	Unit	Result	VO(EU) 2023/915 NEM	Substance	Method
Nutrition values/ingredients					
Crude ash	g/100g	15,7		OM	S64 LFGB L 17.00-3 : 2002-12 (mod.)

Trace elements / Heavy metals / Halogenides

Lead (Pb)	mg/kg	<0,50	3	OM	DIN EN 15763 : 2010-04
Cadmium (Cd)	mg/kg	<0,20	3	OM	DIN EN 15763 : 2010-04
Mercury (Hg)	mg/kg	<0,02	0,1	OM	DIN EN 13806 : 2002-11
Arsenic (As)	mg/kg	0,98		OM	DIN EN 15763 : 2010-04

Mycotoxins

Aflatoxine B1	µg/kg	<1,0 ^{pa)}		OM	MP-00180-DE : 2024-03 (LC-MSMS)
Aflatoxine B2	µg/kg	<1,0 ^{pa)}		OM	MP-00180-DE : 2024-03 (LC-MSMS)
Aflatoxine G1	µg/kg	<1,0 ^{pa)}		OM	MP-00180-DE : 2024-03 (LC-MSMS)
Aflatoxine G2	µg/kg	<1,0 ^{pa)}		OM	MP-00180-DE : 2024-03 (LC-MSMS)
Sum aflatoxines	µg/kg	n.q.		OM	calculated

Polycyclic Aromatic Hydrocarbons (PAH)

Benz(a)anthracene	µg/kg	<1,0		OM	VDLUFA VII, 3.3.3.2 : 2011 (mod.)
Benzo(a)pyrene	µg/kg	2,7	10	OM	VDLUFA VII, 3.3.3.2 : 2011 (mod.)
Benzo(b)fluoranthene	µg/kg	<2,0 ^{m)}		OM	VDLUFA VII, 3.3.3.2 : 2011 (mod.)
Chrysene	µg/kg	<1,0		OM	VDLUFA VII, 3.3.3.2 : 2011 (mod.)
Sum Reg. (EC) 2023/915 (PAH)	µg/kg	2,7 ^{x)}	50	OM	calculated

Pyrrolizidine alkaloids

Sum of pyrrolizidine alkaloids, Reg. (EU) 2023/915	µg/kg	n.q.	400	OM	calculated
Sum Pyrrolizidine alkaloids	µg/kg	n.q.		OM	calculated
Echimidine	µg/kg	<5,00		OM	MP-02602-DE : 2024-11

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2023/915
NEM

Substance Method

	Unit	Result				
<i>Echimidine-N-oxid</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Echinatin-N-Oxid</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Erucifoline</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Erucifoline-N-oxid</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Europine</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Europine-N-oxid</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Heliosupin</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Heliosupin-N-Oxid</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Heliotrine</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Heliotrine-N-oxide</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Intermedine-N-oxide/Indicine-N-oxide</i>	µg/kg	<10,0			OM	MP-02602-DE : 2024-11
<i>Intermedin/Lycopsamin/Rinderin/Indicin/Echinatin</i>	µg/kg	<25,0			OM	MP-02602-DE : 2024-11
<i>Jacobine</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Jacobine-N-oxide</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Lasiocarpine</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Lasiocarpine-N-oxide</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Lycopsamine-N-oxide</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Monocrotaline</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Monocrotaline-N-oxide</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Retrorsine/Usaramine</i>	µg/kg	<10,0			OM	MP-02602-DE : 2024-11
<i>Retrorsin-N-Oxid/Usaramin-N-Oxid</i>	µg/kg	<10,0			OM	MP-02602-DE : 2024-11
<i>Rinderin-N-Oxid</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Senecionine</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Senecionin-N-Oxid/Integerrimin-N-Oxid</i>	µg/kg	<10,0			OM	MP-02602-DE : 2024-11
<i>Seneciphyllin-N-Oxid/Spartiodin-N-Oxid</i>	µg/kg	<10,0			OM	MP-02602-DE : 2024-11
<i>Seneciphyllin/Spartiodin</i>	µg/kg	<10,0			OM	MP-02602-DE : 2024-11
<i>Senecivernine-N-oxide</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Senecivernin/Integerrimin</i>	µg/kg	<10,0			OM	MP-02602-DE : 2024-11
<i>Senkirkine</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11
<i>Trichodesmine</i>	µg/kg	<5,00			OM	MP-02602-DE : 2024-11

Microbiological examinations

Aerobic mesophilic plate count (total plate count)	cfu/g	<100 (LOD) ^{mv)}			OM	DIN EN ISO 4833-1 : 2022-05
<i>Escherichia coli</i>	in 1g	not detected			OM	DIN EN ISO 16649-3 : 2018-01
Yeasts	cfu/g	<100 (LOD)			OM	ISO 21527-2 : 2008-07
Moulds	cfu/g	<100 (LOD)			OM	ISO 21527-2 : 2008-07
<i>Salmonella</i> spp	in 25g	not detected			OM	ISO 6579-1 : 2017-02
<i>Listeria monocytogenes</i>	in 25g	not detected			OM	RAPID [®] L.mono [®] (detection); NordVal Certificate No.: NordVal 022: 2024-05 (validated in reference to EN ISO 11290-1 : 2017)

x) Single values below the quantification limit or the detection limit were not taken into account.

m) Due to matrix perturbation, the report limits have been increased.

pa) The detection and quantification limit had been increased because for this analysis matrix a smaller sample volume had to be used.

mv) The limit of quantification/detection had to be increased, because the material had to be diluted due to its consistency.

The activities reported in this document are accredited according to DIN EN ISO/IEC 17025:2018. Only not accredited activities are identified by the symbol "x)".

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Sample no. **765188**

Explanation: The symbol "<" or n.q. in the result column means, the parameter concerned is not quantifiable at the limit of quantification shown opposite.

The sign "<...."(LOD)" or n.d. in column result means, the parameter concerned cannot be detected within the limit of detection.

VO(EU) 2023/915 NEM: Regulation (EU) 2023/915, food supplements

Explanation: OM = on original matter; DM = on dry matter base

The calculation of the measurement uncertainties given in the following table is based on the GUM (Guide to the expression of uncertainty in measurement, BIPM, IEC, IFCC, ISO, IUPAC, IUPAP and OIML, 2008) and the Nordtest Report (Handbook for calculation of measurement uncertainty in environmental laboratories (TR 537 (ed. 4) 2017). This is therefore a very reliable value with a 95% confidence level (confidence interval). Deviations from this are indicated as entries in the column "Deviating determination method".

Measurement uncertainty	Deviating determination method	Parameter
55%	VDLUFA ASR	Arsenic (As)
30%		Benzo(a)pyrene
7%	VDLUFA ASR	Crude ash

Norm modification

EN 15662 : 2018-05 (mod.): Extension to matrix animal based food and feed, 2g sample weight for samples with low water content
VDLUFA VII, 3.3.3.2 : 2011 (mod.): extension to matrix food and matrix feed; measurement by using GC-MS/MS; changed composition of extraction solvent; no cleaning on silica gel and Sephadex
§64 LFGB L 17.00-3 : 2002-12 (mod.): Extension to matrix food

According to the extent of the analysis the sample complies with the requirements of Regulation (EU) 2023/915, food supplements.

Remark to Salmonella spp.:

In the testing of Salmonella spp. according to ISO 6579-1 Salmonella Typhi and Salmonella Paratyphi are not included. These bacteria/germs are hardly found in food. If on the side of the customer there is a justified case of suspicion these two subspecies can be analysed by a PCR test, which needs to be ordered separately by the customer. In case of positive Salmonella results a confirmation of Salmonella spp. was conducted by MALDI-TOF.

Remarks

Note on arsenic:

A total of 0.70 mg/kg of arsenic was detected. No maximum levels have been defined for this parameter. Therefore, the arsenic content is excluded from marketability.

Only the inorganic arsenic content is toxicologically relevant. It is therefore recommended to determine the inorganic arsenic content.

Start of testing: 25.09.2025

End of testing: 06.10.2025

The results are related only to the samples tested. In cases where the laboratory has not been responsible for sampling, the reported results apply to the samples as received. The laboratory is not responsible for the information provided by the customer. The customer information, if any, presented in this test report is not subject to the accreditation of the laboratory and may affect the validity of the test results. Duplication of this document or of parts of it requires the authorization from laboratory.

In conformity assessment, the economic approach is used as the decision rule (a non-conformity exists if the measurement result is included measurement uncertainty above the specification or standard), as long as nothing else has been determined by corresponding legal or normative bases.

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Group leader: Annika Luderer
Food chemist/counter-sampling expert

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Active ingredient spectrum of multimethods

Method: calculated, Unit: mg/kg					
Parameter	Limit of quantification	Parameter	Limit of quantification	Parameter	Limit of quantification
Propamocarb (Sum of propamocarb and its salts, expressed as propamocarb)		Sum acibenzolar-S-methyl and acibenzolar acid (without hydrolysis)		Sum aldicarb/-sulfon/-sulfoxid	
Sum aldrin, dieldrin		Sum amitraz		Sum Bentazone	
Sum captan and Tetrahydrophthalimid (THPI)		Sum carbofuran, 3-hydroxycarbofuran		Sum carboxin	
Sum chloridazon		Sum chlorpyrifos-methyl		Sum clethodim	
Sum cycloxydim		Sum DDT-isomers		Sum disulfoton	
Sum endosulfan-alpha, -beta, -sulfat		Sum ethofumesate		Sum fenamiphos, -sulphoxide, -sulphone	
Sum fenchlorphos		Sum fenthion		Sum fipronil, -sulfone (MB 46136)	
Sum flonicamid		Sum flufenacet		Sum heptachlor, heptachlorepoxyde	
Sum Isoxaflutole		Sum MCPA, MCPB (without hydrolysis)		Sum metazachlor	
Sum methiocarb, -sulfone, -sulfoxide		Sum Metobromuron		Sum M4 and M6 Pinoxaden	
Sum of cis- and trans-chlordane (F) (R)		Sum of Folpet and Phthalimide		Sum of malathion and malaoxon	
Sum of Tembotrione		Sum oxydemeton-methyl, demeton-S-methyl-sulfon		Sum Parathion-methyl	
Sum Pencycuron		Sum phorate		Sum prochloraz	
Sum propachlor		Sum propoxycarbazone		Sum pyraflufen-ethyl	
Sum pyrethrins		Sum pyridate (without hydrolysis)		Sum quintozone and pentachloro-aniline	
Sum Spinetoram		Sum Spinosad		Sum spirotetramat	
Sum tepraloxymid		Sum tolylfluanid		Sum triflumizole and FM 6-1	
1-naphthylacetamide and 1-naphthylacetic acid					
Method: EN 15662 : 2018-05 (mod.), Unit: mg/kg					
Parameter	Limit of quantification	Parameter	Limit of quantification	Parameter	Limit of quantification
Acephate	0,01	Acetamidiprid	0,01	Acetamidiprid-N-desmethyl	0,01
Acetochlor	0,01	Acibenzolaracid (free acid)	0,01	Acibenzolar-S-methyl (before hydrolysis)	0,01
Acronifen	0,01	Acrinathrin and its enantiomer	0,01	Alachlor	0,01
Aldicarb	0,01	Aldicarb-sulfon	0,01	Aldicarb-sulfoxide	0,01
Aldrin	0,005	Ametoctradin	0,01	Ametryn	0,01
Aminocarb	0,01	Amisulbrom	0,01	Amitraz	0,01
Anthraquinone	0,01	Atrazine	0,01	Azaconazole	0,01
Azadirachtin	0,01	Azinphos-ethyl	0,01	Azinphos-methyl	0,01
Azoxystrobin	0,01	Benalaxyl	0,01	Bendiocarb	0,01
Benfluralin	0,01	Bensulfuron-methyl	0,01	Bentazone	0,01
Benthiavalicarb-isopropyl	0,01	Benzovindiflupyr	0,01	Bifenazate	0,01
Bifenox	0,01	Bifenthrin	0,01	Biphenyl (Diphenyl)	0,01
Bispyribac	0,01	Bitertanol	0,01	Bixafen	0,01
Boscalid	0,01	Bromacil	0,01	Bromocyclen	0,01
Bromophos-ethyl	0,01	Bromophos-methyl	0,01	Bromopropylate	0,01
Bromoxynil	0,01	Bromuconazole	0,01	Bupirimate	0,01
Buprofezin	0,01	Butafenacil	0,01	Butocarboxim	0,01
Butocarboxim-sulfoxide	0,01	Butoxycarboxim	0,01	Cadusafos	0,01
Captafol	0,02	Captan	0,01	Carbaryl	0,01
Carbendazim/benomyl sum	0,01	Carbofuran	0,01	Carbophenothion	0,01
Carbophenothion-methyl	0,01	Carbosulfan	0,01	Carboxin	0,01
Carboxinsulfoxide	0,01	Chlorantraniliprol	0,01	Chlorbenside	0,01
Chlorbenzuron	0,01	Chlorbufam	0,01	Chlordane alpha	0,005
Chlordane gamma	0,005	Chlordane oxy	0,005	Chlorfenapyr	0,01
Chlorfenprop-methyl	0,01	Chlorfenson	0,01	Chlorfluaazon	0,01
Chlorflurenol	0,01	Chlorflurenol-methyl	0,01	Chloridazon-desphenyl	0,05
Chlorimuron-ethyl	0,01	Chlormephos	0,01	Chlorobenzilate	0,01
Chloroneb	0,01	Chlorotoluron	0,01	Chlorphenvinphos	0,01
Chlorpropham	0,01	Chlorpropylate	0,01	Chlorpyrifos	0,01
Chlorpyrifos-methyl	0,01	Chlorpyrifos-methyl-desmethyl	0,01	Chlorthal-dimethyl	0,01
Chlorthalonil	0,01	Chlorthion	0,01	Chlorthiophos	0,01
Chlozolinate	0,01	Chromafenocide	0,01	Cinerin I	0,01
Cinerin II	0,01	Cinosulfuron	0,01	Clethodim	0,01
Clethodimsulfon	0,01	Clethodimsulfoxide	0,01	Climbazole	0,01
Clodinafop	0,01	Clodinafop-propargyl	0,01	Clofentezin	0,01
Clomazone	0,01	Cloquintocet-mexyl	0,01	Clothianidin	0,01
Coumaphos	0,01	Crimidine	0,01	Cyanazin	0,01

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Method: EN 15662 : 2018-05 (mod.), Unit: mg/kg

Parameter	Limit of quantification	Parameter	Limit of quantification	Parameter	Limit of quantification
Cyanofenphos	0,01	Cyanophos	0,01	Cyantraniliprol	0,01
Cyazofamid	0,01	Cyclanilid	0,01	Cycloate	0,01
Cycloxydim	0,01	Cyflufenamid	0,01	Cyflumetofen	0,01
Cyfluthrin	0,01	Cyhalofop-butyl	0,01	Cymoxanil	0,01
Cypermethrin	0,01	Cyproconazole	0,01	Cyprodinil	0,01
Deltamethrin	0,01	Demeton-S-methyl	0,01	Demeton-S-methyl-sulfone	0,01
Desisopropylatrazine	0,01	Desmedipham	0,01	Desmetryn	0,01
Diazinon	0,01	Dichlobenil	0,01	Dichlofenthione	0,01
Dichlofluanid	0,01	Dichlorprop (free acid)	0,01	Dichlorvos	0,05
Diclobutrazole	0,01	Diclofop	0,01	Dicloran	0,01
Dicofol	0,01	Diclotophos	0,01	Dieldrin	0,005
Diethofencarb	0,01	Diethyltoluamide (DEET)	0,01	Difenacoum	0,01
Difenoconazole	0,01	Diflubenzuron	0,01	Diflufenican	0,01
Dimethenamide	0,01	Dimethoate	0,01	Dimethomorph	0,01
Dimethylaminosulfotoluidide (DMST)	0,01	Dimoxystrobin	0,01	Diniconazole	0,01
Dinocap	0,01	Dinotefuran	0,01	Dinoterb (before hydrolysis)	0,01
Diphenamid	0,01	Diphenylamine	0,01	Dipropetryn	0,01
Disulfoton	0,01	Disulfoton-sulfone	0,01	Disulfoton-sulfoxide	0,01
Ditalimfos	0,01	Diuron	0,01	DMSA	0,01
Dodemorph	0,01	Dodin	0,01	Eamectin	0,01
Endosulfan alpha	0,005	Endosulfan beta	0,005	Endosulfansulfat	0,005
Endrin	0,005	Endrin Ketone	0,01	EPN	0,01
Epoxiconazole	0,01	EPTC	0,01	Etaconazole	0,01
Ethalfuralin	0,01	Ethiofencarb	0,01	Ethiofencarb-sulfon	0,01
Ethiofencarb-sulfoxide	0,01	Ethion	0,01	Ethiprole	0,01
Ethirimol	0,01	Ethofumesate	0,01	Ethofumesate-2-keto	0,05
Ethoprophos	0,01	Etofenprox	0,01	Etioazoxole	0,01
Etridiazole	0,01	Etrinfos	0,01	Famoxadone	0,01
Famphur	0,01	Fenamidone	0,01	Fenamiphos	0,01
Fenamiphos-sulfoxide	0,01	Fenamiphos-sulphone	0,01	Fenarimole	0,01
Fenazaquine	0,01	Fenbuconazole	0,01	Fenbutatin oxide	0,01
Fenchlorphos	0,01	Fenchlorphos-oxon	0,01	Fenfluthrin	0,01
Fenhexamid	0,01	Fenitrothion	0,01	Fenobucarb	0,01
Fenoxaprop	0,01	Fenoxycarb	0,01	Fenpiclonil	0,01
Fenpicoxamid	0,01	Fenpropathrine	0,01	Fenpropidin	0,01
Fenpropimorph	0,01	Fenpyrazamin	0,01	Fenpyroximate	0,01
Fenson	0,01	Fensulfothion	0,01	Fensulfothion-oxon	0,01
Fensulfothion-oxon-sulfon	0,01	Fensulfothion-sulfon	0,01	Fenthion	0,01
Fenthion-oxone	0,01	Fenthion-oxon-sulfon	0,01	Fenthionoxonsulfoxide	0,01
Fenthion-sulfon	0,01	Fenthion-sulfoxide	0,01	Fenuron	0,01
Fenvalerate	0,01	Fipronil	0,002	Fipronil-sulfon	0,002
Flilurtamone	0,005	Flonicamid	0,01	Florpyrauxifen-benzyl	0,01
Fluazifop (free acid)	0,01	Fluazifop-butyle	0,01	Fluazinam	0,01
Flubendiamid	0,01	Fluchloralin	0,01	Flucythrinate	0,01
Fludioxonil	0,01	Flufenacet	0,01	Flufenacet ESA (ethansulfonic acid)	0,01
Flufenacet OA (Oxalamic Acid)	0,01	Flufenacet-alcohol	0,01	Flufenoxuron	0,01
Flufenzin	0,01	Flumetralin	0,01	Flumioxazin	0,01
Fluometuron	0,01	Fluopicolide	0,01	Fluopyram	0,01
Fluoxastrobin	0,01	Flupyradifuron	0,01	Flupyrasulfuron-methyle	0,01
Fluquinconazole	0,01	Flurochloridone	0,01	Fluroxypyr	0,01
Flurprimidol	0,01	Flusilazole	0,01	Fluthiacet-methyl	0,01
Flutianil	0,01	Flutolanil	0,01	Flutriafol	0,01
Fluvalinate	0,01	Fluxapyroxad	0,01	FM 6-1	0,01
Folpet	0,01	Fonofos	0,01	Forchlorfenuron	0,01
Formetanate(hydrochloride)	0,01	Formothion	0,01	Fosthiazat	0,01
Fuberidazole	0,01	Furalaxyl	0,01	Furathiocarb	0,01
Genite	0,01	Halfenprox	0,01	Halofenozid	0,01
Haloxifop (free acid)	0,01	Haloxifop methyl	0,01	Haloxifop-ethoxy-ethyl	0,01
HCH-alpha	0,005	HCH-beta	0,005	HCH-delta	0,005
HCH-epsilon	0,005	HCH-gamma (Lindane)	0,005	Heptachlor	0,005
Heptachlorepoxyde-cis	0,005	Heptachlorepoxyde-trans	0,005	Heptenophos	0,01
Hexachlorobenzene	0,005	Hexaconazole	0,01	Hexaflumuron	0,01
Hexazinone	0,01	Hexythiazox	0,01	Icaridin (Picaridin)	0,01
Imazalil	0,01	Imazamox	0,01	Imazapic	0,01

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Method: EN 15662 : 2018-05 (mod.), Unit: mg/kg					
Parameter	Limit of quantification	Parameter	Limit of quantification	Parameter	Limit of quantification
Imazapyr	0,01	Imazaquine	0,01	Imazethapyr	0,01
Imibenconazole	0,01	Imidacloprid	0,01	Indoxacarb	0,01
Iodofenphos	0,01	Iodosulfuron-methyl-sodium	0,01	Ioxynil	0,01
Iprobenfos	0,01	Iprodion	0,01	Iprovalicarb	0,01
Isazofos	0,01	Isocarbophos	0,01	Isodrin	0,01
Isufenphos	0,01	Isufenphos-methyl	0,01	Isotetamid	0,01
Isoprocab	0,01	Isoprothiolane	0,01	Isoproturon	0,01
Isopyrazam	0,01	isoxaben	0,01	Isxadifen-ethyl	0,01
Isoxaflutole	0,01	Isioxathion	0,01	Jasmodin I	0,01
Jasmodin II	0,01	Kresoxim-methyl	0,01	Lambda-cyhalothrin	0,01
Landrin (3,4,5-Trimethacarb)	0,01	Lenacil	0,01	Leptophos	0,01
Linuron	0,01	Lufenuron	0,01	Malaoxon	0,01
Malathion	0,01	Mandestrobini	0,01	Mandipropamid	0,01
MCPA (free acid)	0,01	MCPB	0,01	Mecarbame	0,01
Mecoprop	0,01	Mefenpyr-diethyl	0,01	Mefentrifluconazol	0,01
Mepanipyrim	0,01	Mepronil	0,01	Meptyldinocap	0,01
Metaflumizone	0,01	Metalaxyl Metabolite CGA 108906	0,01	Metalaxyl Metabolite CGA 62826	0,01
Metalaxyl (Sum of Metalaxyl and Metalaxyl-M)	0,01	Metaldehyd	0,01	Metazachlor	0,01
Metconazole	0,01	Methabenzthiazuron	0,01	Methacrifos	0,01
Methamidophos	0,01	Methidathion	0,01	Methiocarb	0,01
Methiocarb-sulfon	0,01	Methiocarb-sulfoxid	0,01	Methomyl	0,01
Methoprotryne	0,01	Methoxychlor	0,005	Methoxyfenozide	0,01
Metobromuron	0,01	Metolachlor	0,01	Metolcarb	0,01
Metosulam	0,01	Metoxuron	0,01	Metrafenone	0,01
Metribuzin	0,01	Metsulfurone-methyl	0,01	Mevinphos	0,01
Mirex	0,005	Molinate	0,01	Monocrotophos	0,01
Monolinuron	0,01	Monuron	0,01	Myclobutanil	0,01
Napropamide	0,01	Neburon	0,01	Nicosulfuron	0,01
Nitralin	0,01	Nitrapyrin	0,01	Nitrofen	0,005
Nitrothal-isopropyl	0,01	Norflurazone	0,01	Novaluron	0,01
Nuarimol	0,01	N-2,4-Dimethylphenyl-N-methylformamidine	0,01	Octachlordipropylether (S421)	0,01
Ofurace	0,01	Omethoate	0,01	o,p-DDD	0,005
o,p-DDE	0,005	o,p-DDT	0,005	Oxadiazon	0,01
Oxadixyle	0,01	Oxamyl	0,001	Oxamyl-oxim	0,01
Oxathiapiprolin	0,01	Oxydemeton-methyl	0,01	Oxyfluorfen	0,01
Paclobutrazol	0,01	Paraoxon-ethyl	0,05	Paraoxon-methyl	0,02
Parathion-ethyl	0,01	Parathion-methyl	0,01	Pebulate	0,01
Penconazol	0,01	Pencycuron	0,01	Pencycuron-PB-amin	0,01
Pendimethalin	0,01	Penflufen	0,01	Pentachloro-aniline	0,01
Pentachloroanisol	0,01	Pentachlorobenzene	0,01	Pentachlorophenole (PCP)	0,01
Penthiopyrad	0,01	Penthiopyrad-carboxamide	0,01	Permethrin	0,01
Perthane	0,01	Pethoxamid	0,01	Phenkapton	0,01
Phenmedipham	0,01	Phenthoate	0,01	Phorate	0,01
Phorat-oxon	0,01	Phorat-oxon-sulfon	0,01	Phorat-oxon-sulfoxid	0,01
Phorat-sulfon	0,01	Phorat-sulfoxid	0,01	Phosalone	0,01
Phosmet	0,01	Phosmet-oxon	0,01	Phosphamidon	0,01
phoxim	0,01	Phthalimide	0,02	Picolinafen	0,01
Picoxystrobin	0,01	Pinoxaden M4	0,01	Pinoxaden M6	0,01
Piperonylbutoxide	0,01	Pirimicarb	0,01	Pirimicarb, Desmethylformamido-	0,01
Pirimicarb-desmethyl	0,01	Pirimiphos-ethyl	0,01	Pirimiphos-methyl	0,01
p,p-DDD	0,005	p,p-DDE	0,005	p,p-DDT	0,005
Prochloraz	0,01	Prochloraz desimidazole-amino (BTS 44595)	0,01	Prochloraz desimidazole-formylamino (BTS 44596)	0,01
Procymidone	0,01	Profenofos	0,01	Profluralin	0,01
Profoxydim	0,01	Promecarb	0,01	Prometryn	0,01
Propachlor	0,01	Propachlor OA (Oxalamic Acid)	0,01	Propamocarb	0,01
Propanil	0,01	Propaquizafop	0,01	Propargite	0,01
Propazine	0,01	Propetamphos	0,01	Propham	0,01
Propiconazole	0,01	Propoxur	0,005	Propoxycarbazone	0,01
Propyzamide	0,01	Proquinazide	0,01	Prosulfocarb	0,01
Prothioconazole (Prothioconazole-desthio)	0,01	Prothiophos	0,01	Pyraclostrobin	0,01
Pyraflufen	0,05	Pyraflufen-ethyl	0,01	Pyrazophos	0,01
Pyrethrin I	0,01	Pyrethrin II	0,01	Pyridaben	0,01

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Method: EN 15662 : 2018-05 (mod.), Unit: mg/kg

Parameter	Limit of quantification	Parameter	Limit of quantification
Pyridalyl	0,01	Pyridaphenthion	0,01
Pyrifenoxy	0,01	Pyrimethanil	0,01
Pyrioxenon	0,01	Pyrioxifen	0,01
Quinalphos	0,01	Quinmerac	0,01
Quintozene	0,005	Quinalofop (free acid)	0,01
Resmethrin	0,01	Rotenone	0,01
RPA203328	0,01	Sedaxane	0,01
Silafluofen	0,01	Silthiofamid	0,01
Spinetoram-J	0,01	Spinetoram-L	0,01
Spinosyn D	0,01	Spirodiclofen	0,01
Spirotetramat	0,01	Spirotetramat-enol	0,01
Spirotetramat-ketohydroxy	0,01	Spirotetramat-monohydroxy	0,01
Sulfentrazon	0,01	Sulfotep	0,01
Sulprofos	0,01	Tebuconazole	0,01
Tebufenpyrad	0,01	Tecnazene	0,005
Tefluthrin	0,01	Tembotrion	0,01
Terbacil	0,01	Terbufos	0,01
Terbufos-sulfoxide	0,01	Terbutolone	0,01
Terbutylazin-desethyl	0,01	Terbutylazin	0,01
Tetraconazole	0,01	Tetradifon	0,005
Tetramethrin	0,01	Tetrasul	0,01
Thiabendazole	0,01	Thiacloprid	0,01
Thiobencarb	0,01	Thiodicarb	0,01
Thiofanox-sulfoxide	0,01	Thiometon	0,01
Thiometon-sulfoxide	0,01	Thiophanate-methyl	0,01
Tolfenpyrad	0,01	Tolylfluamide	0,01
Transfluthrin	0,01	Triadimefon	0,01
Triallate	0,01	Triasulfuron	0,01
Triazophos	0,01	Trichlorfon	0,01
Triclopyr	0,01	Tricyclazole	0,01
Trifloxystrobin	0,01	Triflumizole	0,01
Trifluralin	0,01	Trifluthrin-methyl	0,01
Trinexapac-ethyl	0,01	Triticonazole	0,01
Uniconazole	0,01	Valifenalate	0,01
Vinclozolin	0,01	Warfarin	0,01
1-Naphthylacetic acid	0,05	1-Naphthylacetic amide	0,01
2-Naphthoxyacetic acid	0,01	2-Phenylphenol	0,01
2,4-DB (free acid)	0,01	2,4-Dimethylphenylformamide	0,01
3-Hydroxy-Carbofuran	0,01	4-Chlorophenoxyacetic acid (4-CPA)	0,01
4,6-Dihydroxy-Tembotrion	0,01	6-Hydroxy-Bentazone	0,01
		8-Hydroxy-Bentazone	0,01

m) Due to matrix perturbation, the report limits have been increased.

pa) The detection and quantification limit had been increased because for this analysis matrix a smaller sample volume had to be used.

mv) The limit of quantification/detection had to be increased, because the material had to be diluted due to its consistency.

Remark on sum of spinetoram: Spinetoram (sum of spinetoram-J and spinetoram-L)

Remark to 1-Naphthylacetamide and 1-Naphthylacetic acid: sum of 1-naphthylacetamide and 1-naphthylacetic acid and its salts, expressed as 1-naphthylacetic acid.

Remark to Benalaxyl: Benalaxyl including other mixtures of constituent isomers including benalaxyl-M (sum of isomers).

Remark to Benthialdicarb-isopropyl: benthialdicarb-isopropyl (KIF-230 R-L) and its enantiomer (KIF-230 S-D) and its diastereomers (KIF-230 S-L and KIF-230 R-D), expressed as benthialdicarb-isopropyl (A). The sum parameter takes into account the active metabolites that can currently be reliably detected analytically using the specified method. The actual content may be higher and can only be determined with a single method.

Remark to Bifenthrin: Sum of isomers (F).

Remark to Bispyrac: Bispyrac (sum of bispyrac, its salts and its esters, expressed as bispyrac) The residue definition is not fully met as no hydrolysis has taken place in the multi-method.

Remark to Bromoxynil: Bromoxynil and its salts, expressed as bromoxynil.

Remark to Bromuconazole: Sum of diastereoisomers (F).

Remark to Cyflufenamid: Cyflufenamid (sum of cyflufenamid (Z-isomer) and its E-isomer, expressed as cyflufenamid).

Remark to Cyfluthrin: Cyfluthrin including other mixtures of constituent isomers (sum of isomers) (F).

Remark to Cypermethrin: Cypermethrin including other mixtures of constituent isomers (sum of isomers) (F).

Remark to Deltamethrin: Deltamethrin (cis-deltamethrin) (F)

Remark to Dichlorprop: Dichlorprop (Sum of Dichlorprop (including Dichlorprop-P), its Salts, Esters and Conjugates, expressed as Dichlorprop) (R). The validated limit of quantification is 0,01 mg/kg. All data below this determination limit are to be interpreted as non-

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quantifiable traces. The actual content including the bound residues can only be determined via an additional hydrolysis step.
Remark to Dicofof: Sum of p, p' and o,p' isomers (F).
Remark to Dimethenamid: Dimethenamid including other mixtures of constituent isomers including dimethenamid-P (sum of isomers).
Remark to Dimethomorph: Sum of isomers.
Remark to Diniconazole: Sum of isomers.
Remark to Emamectin: Emamectin B1a and its salts, expressed as emamectin B1a (free base) (R) (F).
Remark to Fenpropidin: Sum of fenpropidin and its salts, expressed as fenpropidin (R) (A).
Remark to Fenpropimorph: Sum of isomers (F) (R).
Remark to Fenvalerate: Any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate (F) (R).
Remark to Fluoastobin: Fluoastobin (sum of fluoastobin and its Z-isomer) (R).
Remark to Flurochloridone: Flurochloridone (sum of cis- and trans- isomers) (F).
Remark to Fluvalinate: Fluvalinate (sum of isomers) as result of usage of tau-fluvalinate (F).
Remark to Formetanate (hydrochloride): Sum of formetanate and its salts expressed as formetanate(hydrochloride).
Remark to HCH-alpha: Hexachlorocyclohexane (HCH), alpha-isomer (F).
Remark to HCH-beta: Hexachlorocyclohexane (HCH), beta-isomer (F).
Remark to HCH-gamma (Lindane): Lindane (Gamma-isomer of hexachlorocyclohexane (HCH)) (F).
Remark to Imazalil: Imazalil (any ratio of constituent isomers) (R).
Remark to Imazamox: Sum of imazamox and its salts, expressed as imazamox.
Remark to Indoxacarb: Sum of indoxacarb and its R enantiomer (F).
Remark to Iodosulfuron-methyl-sodium: Sum of iodosulfuron-methyl and its salts, expressed as iodosulfuron-methyl.
Remark to Ioxynil: Ioxynil (sum of ioxynil and its salts, expressed as ioxynil).
Remark to Lambda-cyhalothrin: Lambda-cyhalothrin (includes gamma-cyhalothrin) (sum of R,S and S,R isomers).
Remark to Mandipropamid: Mandipropamid (any ratio of constituent isomers).
Remark to Mecoprop: Sum of mecoprop-p and mecoprop expressed as mecoprop.
Remark to Metaflumizone: Sum of E- and Z-isomers.
Remark to Metalaxyl (Sum of metalaxyl and metalaxyl-M): Metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers).
Remark to Metconazole: Sum of isomers (F).
Remark to Metolachlor and S-metolachlor (metolachlor including other mixtures of constituent isomers including S-metolachlor (sum of isomers)).
Remark to Mevinphos: Sum of E- and Z-isomers.
Remark to Paclobutrazol: Sum of the isomers.
Remark to Penconazole: Penconazole (Sum of isomers) (F).
Remark to Pencycuron: Pencycuron (sum of pencycuron and pencycuron-PB-amine, expressed as pencycuron) (R) (F) (A).
Remark to Permethrin: Sum of isomers (F).
Remark to Propiconazole: Sum of the isomers (F).
Remark to Prothioconazole (Prothioconazole-desthio): Prothioconazole-desthio (sum of isomers) (F).
Remark to Resmethrin: Resmethrin including other mixtures of constituent isomers (sum of isomers) (F).
Remark to Spinosad: Spinosad (spinosad, sum of spinosyn A and spinosyn D) (F).
Remark to Spiroxamine: Sum of isomers (A) (R).
Remark to Sulfoxaflor: Sum of isomers.
Remark to Sum Carboxin: Carboxin plus its metabolites carboxin sulfoxide and oxycarboxin (carboxin sulfone), expressed as carboxin.
Remark to Sum MCPA, MCPB: MCPA and MCPB (MCPA, MCPB including their salts, esters and conjugates expressed as MCPA) (R) (F). The residue definition is not fully met as no hydrolysis has taken place in the multi-method.
Remark to Sum Spirotetramat: Spirotetramat and spirotetramat-enol (sum of), expressed as spirotetramat (R).
Remark to Sum acibenzolar-S-methyl and acibenzolar: Sum of acibenzolar-S-methyl and acibenzolar acid (free and conjugated), expressed as acibenzolar-S-methyl. The residue definition is not fully met as no hydrolysis has taken place in the multi-method.
Remark to Sum aldicarb/-sulfon/-sulfoxid: sum of aldicarb, its sulfoxide and its sulfone, expressed as aldicarb.
Remark to Sum aldrin, dieldrin: Aldrin and dieldrin combined expressed as dieldrin (F).
Remark to Sum bentazone: sum of bentazone, its salts and 6-hydroxy (free and conjugated) and 8-hydroxy bentazone (free and conjugated), expressed as bentazone (R).
Remark to Sum bifenazate: Sum of bifenazate plus bifenazate-diazene expressed as bifenazate (F).
Remark to Sum captan and THPI: Sum of captan and THPI, expressed as captan (R) (A).
Remark to Sum carbofuran, 3-hydroxycarbofuran: Sum of carbofuran (including any carbofuran generated from carbosulfan, benfuracarb or furathiocarb) and 3-OH carbofuran expressed as carbofuran (R).
Remark to Sum cycloxydim: Cycloxydim including degradation and reaction products which can be determined as 3-(3-thianyl)glutaric acid S-dioxide (BH 517-TGSO2) and/or 3-hydroxy-3-(3-thianyl)glutaric acid S-dioxide (BH 517-5-OH-TGSO2) or derivatives thereof, calculated in total as cycloxydim. The sum parameter takes into account the active metabolites that can currently be reliably detected analytically using the specified method. The actual content may be higher and can only be determined with a single method.
Remark to Sum disulfoton: Sum of disulfoton, disulfoton sulfoxide and disulfoton sulfone expressed as disulfoton (F).
Remark to Sum endosulfan-alpha, -beta, -sulphate: Sum of alpha- and beta-isomers and endosulfan-sulphate expressed as endosulfan (F).
Remark to Sum fipronil, -sulfone (MB 46136): sum fipronil + sulfone metabolite (MB46136) expressed as fipronil (F).

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Remark to Sum flonicamid: sum of flonicamid, TFNA and TFNG expressed as flonicamid (R).
Remark to Sum of cis- and trans-chlordane (F) (R): Chlordane (sum of cis- and trans-chlordane)
Remark to Sum pyraflufen-ethyl: Pyraflufen-ethyl (A) (Sum of pyraflufen-ethyl and pyraflufen, expressed as pyraflufen-ethyl).
Remark to Sum quintozone and pentachloro-aniline: Sum of quintozone and pentachloro-aniline expressed as quintozone (F).
Remark to Sum tepraloxym: Sum of tepraloxym and its metabolites that can be hydrolysed either to the moiety 3-(tetrahydro-pyran-4-yl)-glutaric acid or to the moiety 3-hydroxy-(tetrahydro-pyran-4-yl)-glutaric acid, expressed as tepraloxym. The sum parameter takes into account the active metabolites that can currently be reliably detected analytically using the specified method. The actual content may be higher and can only be determined with a single method.
Remark to Tralkoxydim: Sum of the constituent isomers of tralkoxydim.
Remark to Triadimenol: Triadimenol (any ratio of the isomer components).
Remark to carbendazim/benomyl sum: sum of benomyl and carbendazim expressed as carbendazim (R).
Remark to chlorpyrifos: sum of chlorpyrifos-methyl and desmethyl chlorpyrifos-methyl (F)
Remark to hydrolysis-relevant substances without carrying out the hydrolysis module: The validated limit of quantification is 0,01 mg/kg. All data below this determination limit are to be interpreted as non-quantifiable traces. The actual content including the bound residues can only be determined via an additional hydrolysis step.
Remark to sum Amitraz: amitraz including the metabolites containing the 2,4 -dimethylaniline moiety expressed as amitraz. The sum parameter takes into account the active metabolites that can currently be reliably detected analytically using the specified method. The actual content may be higher and can only be determined with a single method.
Remark to sum Chloridazon: Chloridazon (sum of chloridazon and chloridazon-desphenyl, expressed as chloridazon) (R). The actual content may be higher and can only be determined with a single method.
Remark to sum DDT: sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT (F).
Remark to sum Flufenacet: sum of all compounds containing the N fluorophenyl-N-isopropyl moiety expressed as flufenacet equivalent.
Remark to sum Folpet and Phtalimide: Sum of folpet and phtalimide, expressed as folpet (R).
Remark to sum Heptachlor, Heptachlorepoxy: sum of heptachlor and heptachlor epoxide expressed as heptachlor (F).
Remark to sum Isoxaflutole: Isoxaflutole (sum of isoxaflutole and its diketonitrile-metabolite, expressed as isoxaflutole).
Remark to sum M4 and M6 Pinoxaden: sum of M4 and M6 (both free and conjugated), expressed as pinoxaden.
Remark to sum Malathion and Malaaxon: sum of malathion and malaaxon expressed as malathion.
Remark to sum Metazachlor: sum of metabolites 479M04, 479M08, 479M16, expressed as metazachlor (R). The sum parameter takes into account the active metabolites that can currently be reliably detected analytically using the specified method. The actual content may be higher and can only be determined with a single method.
Remark to sum Methiocarb, -sulfone, -sulfoxide: sum of methiocarb and methiocarb sulfoxide and sulfone, expressed as methiocarb.
Remark to sum Metobromuron: Sum of metobromuron and 4-bromophenylurea, expressed as metobromuron. The sum parameter takes into account the active metabolites that can currently be reliably detected analytically using the specified method. The actual content may be higher and can only be determined with a single method.
Remark to sum Oxydemeton-methyl, demeton-S-methyl-sulfon: sum of oxydemeton-methyl and demeton-S-methylsulfone expressed as oxydemeton-methyl.
Remark to sum Parathion-methyl: sum of parathion-methyl and paraoxon-methyl expressed as parathion-methyl.
Remark to sum Phorate: sum of phorate, its oxygen analogue and their sulfones expressed as phorate.
Remark to sum Prochloraz: Prochloraz (sum of Prochloraz, BTS 44595 (M201-04) and BTS 44596 (M201-03), expressed as Prochloraz) (F)
Remark to sum Propachlor: oxalinic derivate of propachlor, expressed as propachlor.
Remark to sum Propamocarb: Propamocarb (Sum of propamocarb and its salts, expressed as propamocarb) The sum parameter takes into account the active metabolites that can currently be reliably detected analytically using the specified method. The actual content may be higher and can only be determined with a single method.
Remark to sum Propoxycarbazon: propoxycarbazon, its salts and 2-hydroxypropoxycarbazon expressed as propoxycarbazon.
Remark to sum Pyridate: sum of pyridate, its hydrolysis product CL 9673 (6-chloro-4-hydroxy-3-phenylpyridazin) and hydrolysable conjugates of CL 9673 expressed as pyridate.
The residue definition is not fully met as no hydrolysis has taken place in the multi-method.
Remark to sum Tembotrione: Tembotrione (Sum of parent tembotrione (AE 0172747) and its metabolite M5 (4,6-dihydroxy tembotrione), expressed as tembotrione)
Remark to sum Triflumizole and FM 6-1: triflumizole and metabolite FM-6-1(N-(4-chloro-2-trifluoromethylphenyl)-n-propoxyacetamide), expressed as Triflumizole (F).
Remark to sum clethodim: sum of sethoxydim and clethodim including degradation products calculated as sethoxydim. The sum parameter takes into account the active metabolites that can currently be reliably detected analytically using the specified method. The actual content may be higher and can only be determined with a single method.
Remark to sum ethofumesate: sum of ethofumesate, 2-keto-ethofumesate, open-ring-2-keto-ethofumesate and its conjugate, expressed as ethofumesate. The sum parameter takes into account the active metabolites that can currently be reliably detected analytically using the specified method. The actual content may be higher and can only be determined with a single method.
Remark to sum fenamiphos, -sulfoxide, -sulfone: sum of fenamiphos and its sulfoxide and sulphone expressed as fenamiphos.
Remark to sum fenchlorphos: sum of fenchlorphos and fenchlorphos oxon expressed as fenchlorphos.
Remark to sum Fenthion: Fenthion and its oxygen analogue, their sulfoxides and sulfone expressed as fenthion (F).
Remark to sum tolylfluanid: sum of tolylfluanid and dimethylaminosulfotoluidide expressed as tolylfluanid (F) (R).
Remarks on 2-Phenylphenol: 2-phenylphenol (sum of 2-phenylphenol and its conjugates, expressed as 2-phenylphenol) (R) (F) The sum

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parameter takes into account the active metabolites that can currently be reliably detected analytically using the specified method. The actual content may be higher and can only be determined with a single method.

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