

MODENA, li 13/03/2023

Sample arrived on the 02/03/2023
Registration date 03/03/2023**TEST REPORT nr. 23C02067-In-0**

CUSTOMER

ARKTIS GLOBAL LLP
7 BELL YARD
WC2A 2JR LONDON UNITED KINGDOM
SAMPLE 23C02067**MATRIX Formulates of drugs or pesticides**

Description provided by Customer: FULLY ENRICHED DISTILLATE FEDc V1 Batch code:: EM80023060A

Extranet request n° N0008/23 - 28/02/2023 13:45:39. - Sampling by: Customer - Transport by: Neotron.
Sample Condition on Receipt: 20°C

ANALYSIS DESCRIPTION	RESULT	U	REC. %	UNIT OF MEASURE	LQ	LD	METHOD	ANALYSIS BEGINNING DATE / ENDING DATE
ORGANO PHOSPHORATED PESTICIDES AND METABOLITES								
Azinphos-ethyl	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Azinphos-methyl	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Bromophos-ethyl	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Bromophos-methyl	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Cadusafos	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Carbophenothion	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Chlorfenvinphos, sum of E and Z isomers	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Chlormephos	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Chlorpyrifos	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Chlorpyrifos methyl	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Coumaphos	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Demeton-S-methyl	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Demeton-S-methyl sulfoxide (oxydemeton-methyl)	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Demeton-S-methyl sulphone	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Oxydemeton-methyl (sum of oxydemeton-methyl and demeton-S-methyl sulphone expressed as oxydemeton-methyl) [414]	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Diazinon	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Dichlorvos	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Dimethoate	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Omethoate	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Disulfoton	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Disulfoton-sulfone	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Disulfoton-sulfoxide	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Disulfoton, disulfoton-sulfoxide and disulfoton-sulfone, sum expressed as disulfoton [414]	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Ethion	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Ethoprophos	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Fenamiphos	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Fenamiphos-sulfoxide	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Fenamiphos-sulfone	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023

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www.neotron.it - neotron@neotron.itLaboratorio Qualificato D.M. 26-2-87 Art. 4 - Legge 46/82 per la Ricerca Applicata e Innovazione Tecnologica.
Regione Emilia Romagna - AUTORIZZAZIONE Autocontrollo N° 008/MO/008
BNN-Monitoring Fruit and Vegetables Approved Laboratory
I-Monitoring EDEKAAG Fruit and Vegetables Registered Laboratory
GMP+ code: GMP051757

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7 BELL YARD
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SAMPLE 23C02067**MATRIX Formulates of drugs or pesticides**

ANALYSIS DESCRIPTION	RESULT	U	REC. %	UNIT OF MEASURE	LQ	LD	METHOD	ANALYSES BEGINNING DATE / ENDING DATE
Fenamiphos, fenamiphos-sulfone, fenamiphos-sulfoxide, sum expressed as fenamiphos [414]	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Fenclorphos	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Fenclorphos-oxon	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Fenclorphos and fenclorphos-oxon sum expressed as fenclorphos [414]	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Fenitrothion	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Fenthion	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Fenthion-oxon	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Fenthion-oxon-sulfone	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Fenthion-oxon-sulfoxide	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Fenthion-sulfone	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Fenthion-sulfoxide	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Fenthion, fenthion-oxon, fenthion-oxon-sulfone, fenthion-oxon-sulfoxide, fenthion-sulfone, fenthion-sulfoxide, sum expressed as fenthion [414]	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Fonofos	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Formothion	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Fosthiazate	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Heptenophos	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Isofenphos	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Isofenphos-methyl	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Malaoxon	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Malathion	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Malathion and Malaoxon sum expressed as Malathion [414]	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Mecarbam	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Methacrifos	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Methidathion	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Mevinphos, sum of cis- and trans-isomers	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Paraoxon	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Paraoxon-methyl	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Parathion	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Parathion-methyl	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Parathion-methyl and Paraoxon-methyl sum expressed as Parathion-methyl [414]	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Phenthoate	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Phorate	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Phorate-oxon	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Phorate-oxon-solfone	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023

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ANALYSIS DESCRIPTION	RESULT	U	REC. %	UNIT OF MEASURE	LQ	LD	METHOD	ANALYSES BEGINNING DATE / ENDING DATE
Phorate-sulfone	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Phorate-sulfoxide	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate) [414]	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Phosalone	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Phosmet	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Phosmet-oxon	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Phosmet and phosmet-oxon expressed as phosmet [414]	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Phosphamidon	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Pirimiphos-ethyl	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Pirimiphos-methyl	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Profenofos	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Pyridaphenthion	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Quinalphos	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Sulfotep	< LQ			mg/kg	0,050		GCMS-Q 2021 Rev.7 - GC-MS DES	06/03/2023 / 10/03/2023
Tetrachlorvinphos	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Thionazin	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023
Triazophos	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023

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ANALYSIS DESCRIPTION	RESULT	U	REC. %	UNIT OF MEASURE	LO	LD	METHOD	ANALYSES BEGINNING DATE / ENDING DATE
Trichlorfon	< LQ			mg/kg	0,050		Icms-Q 2017 Rev.1 - LC-MS DES	06/03/2023 / 13/03/2023

END TEST REPORT

The original document is a PDF file with Digital Signature: 23C02067-In-0-DigitalSignature.pdf

Notes and method reference:

< LQ: = lower than Quantification Limit.

U: the reported uncertainty is the expanded uncertainty calculated using a coverage factor equal to 2 which gives a reliability of approximately 95%. The measurement uncertainty data is not synonymous with a certain form of positivity but only with the performance of the method.

MICROBIOLOGICAL TESTS: for food and environmental samples, the extended measurement uncertainty was estimated according to ISO 19036:2019 Standard and is based on a standard uncertainty multiplied by a coverage factor of K = 2, providing a confidence level of approximately 95%. The combined standard uncertainty was assumed to be equal to the standard deviation of intra-laboratory reproducibility. The results of the microbiological tests are calculated according to the ISO 7218: 2007 / Amd 1: 2013 Standard.

If the results are reported as <4 (CFU/ml) or <40 (CFU/g), this means that the microorganisms are present in the sample but in amounts less than 4 CFU/ml or 40 CFU/g respectively. For microbiological analyses unless differently reported in the individual test methods, in case of analytical steps foreseen in non-activity days of the laboratory, provisions of the ISO 7218: 2007 / Amd.1 2013 Standard (points 11.2 and 10.2.5) or from specific test methods are applied. In the case of quantitative microbiological tests, these have been set up on a single plate according to ISO 7218:2007/Amd.1 2013 par. 10.2.2 unless otherwise expressly requested by current regulations.

In the case of quantitative microbiological tests, these have been set up on a single plate in accordance with ISO 7218:2007/Amd.1 2013 par. 10.2.2 unless otherwise explicitly required by current regulations.

For waters, the measurement uncertainty corresponds to the confidence interval calculated according to ISO 8199: 2018 or to the expanded measurement uncertainty estimated according to ISO 29201: 2012. The results are issued in accordance with ISO 8199: 2018. When the number of colonies detected is <3, the result is expressed as "Microorganisms present in the analyzed volume (N ° colonies detected <3 CFU - reference ISO 8199: 2018, paragraph 9.1.8.4.1)".

LQ: Quantification Limit. It is the lowest analyte concentration which can be detected at an acceptable precision (repeatability) and accuracy, under well defined conditions. It should be noted that each result expressed as '<LQ' does not in any case indicate the absence of the parameter sought in the sample under examination.

LD: Detection Limit. It is the lowest analyte concentration which can be detected but not necessarily quantified, under well defined conditions.

Any fields not filled in the Test Report are to be considered not applicable.

Conformity evaluation: values not complying with laws, decrees, national and EU regulations or specifications supplied by the customer are evaluated case by case, also taking into consideration the uncertainty of measure for each single test and the regulations on rounding-off of values, and pointed out when considered as non conform.

Rec %: Recovery % "+" means that the recovery has been applied to the result. The numeric results between brackets (..) after the expression <LQ are purely indicative of traces that cannot be exactly quantified. The test report shows the community MRLs contemplated by Reg 396/2005 and subsequent amendments. The technical staff is available to verify the possibility of use the active substance in Italy on the crop.

In the case of sampling carried out by Neotron, the laboratory applies the Internal Operating Procedure code: NEOT-DIR/ 006/53.

The laboratory disclaims any responsibility for the information provided by the client reported in this Report which may influence the validity of the results.

NOTES OF PARAMETERS:

[414]: The sum is calculated through the lower bound criterion. Lower bound concentrations are calculated on the assumption that all the values of the substances below the limit of quantification are zero.

TEST REPORT VALID FOR ALL LEGAL PURPOSES (Italian R.D. 1-3-1928 n°842 (article 16), – Italian Law 19-7-1957 n°679 articles 16 and 18, Italian Ministerial Decree 25-3-1986).

DATA and SAMPLE STORAGE: Test Reports, Raw data, chromatographic paths and instrumental reports are stored for 5 years. One control sample is stored for 2 months.

Data expressed in this test report refer only to the sample tested in the laboratory. The results reported in this Test Report refer to the sample as received. The description or any other reference concerning the sample are declared by the customer. This Test Report cannot be reproduced except in full. Partial reproductions must be authorized in writing by our laboratory.

THE LABORATORY DIRECTOR: DR. ANDREA RIZZO

THE CHEMIST AUTHORIZED TO SIGN THE TEST REPORTS: DR. MARCO MESCHIARI

(IN HIS ABSENCE, THE AUTHORIZED CHEMIST SIGNS DR. BARBARA MALAGOLI)

NEOTRON SpA - With Sole Shareholder

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Laboratorio Qualificato D.M. 26-2-87 Art. 4 - Legge 46/82 per la Ricerca Applicata e Innovazione Tecnologica.

Regione Emilia Romagna - AUTORIZZAZIONE Autocontrollo N° 008/MO/008

BNN-Monitoring Fruit and Vegetables Approved Laboratory

I-Monitoring EDEKAAG Fruit and Vegetables Registered Laboratory

GMP+ code: GMP051757