

Analytical report AR-25-HD-044271-01

Testing laboratory:

Eurofins Food & Feed Testing Czech Republic s.r.o.
 Zkušební laboratoř EUROFINS CZ
 Radiová 1285/7
 102 00 Praha 10 - Hostivař
 IČO: 27449408
 tel.: +420 778 488 111 E-mail: ClientService.cz@ftcee.eurofins.com

Customer:

Vilgain s.r.o.
 Smetanova 1022/19
 602 00 Brno
 CZECH REPUBLIC

Issue date 09.12.2025
Sample code 540-2025-00065272

Sample reception date: 24.11.2025
Date of Testing 24.11.2025 - 08.12.2025

Sample information:

Sample name, extended: ¹⁾pctx523
 Sample description: ¹⁾005-32407-262830
 Client Purchase order nr.: Proteiny
 Order date: 21.11.2025
 Client sample code: ¹⁾03.09.2027; WPC030925435
 Sampler: Customer

Microbiological tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Aerobic Plate Count 30°C	cfu/g	7.8 x 10 ³		ČSN EN ISO 4833-1	E-Cultural technique (non-chromogenic media) [Total aerobic count 30°C <10>300000000 /g (1-6) PC casting ISO 4833]	A
Escherichia coli	cfu/g	<10		ČSN ISO 16649-2	E-Cultural technique (chromogenic media)	A
Salmonella	/25 g	Not Detected		ČSN EN ISO 6579-1	D-Cultural technique (non-chromogenic media)	A

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Arsenic (As)	mg/kg	< 0.02		Internal Method (digestion according NEN-EN 13805), W3401 + W3407	ICP-MS	SA
Cadmium (Cd)	mg/kg	< 0.01		Internal Method (digestion according NEN-EN 13805), W3401 + W3407	ICP-MS	SA
Lead (Pb)	mg/kg	< 0.01		Internal Method (digestion according NEN-EN 13805), W3401 + W3407	ICP-MS	SA
Mercury (Hg)	mg/kg	< 0.01		Internal Method (digestion according NEN-EN 13805), W3401 + W3407	ICP-MS	SA
Chloramphenicol (CAP)	µg/kg	< 4.0		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Florfenicol	µg/kg	< 8.0		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Thiamphenicol	µg/kg	< 8.0		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Albendazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Albendazole-2-amino sulfone	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Albendazole sulfone	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Albendazole sulfoxide	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Cambendazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Febantel	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Fenbendazol	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Flubendazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
2-Aminoflubendazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Levamisole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Mebendazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Mebendazole-amine	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
5-Hydroxymebendazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Oxfendazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Oxfendazole sulfone	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Oxibendazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Thiabendazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Thiabendazole, 5-hydroxy-	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Cinoxacin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Ciprofloxacin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Danofloxacin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Difloxacin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Enoxacin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Enrofloxacin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Flumequin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Lomefloxacin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Marbofloxacin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Nalidixic acid	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Norfloxacin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Ofloxacin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Oxolinic acid	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sarafloxacin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Cloxacillin	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Dicloxacillin	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Nafcilline	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Oxacillin	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Penicillin G	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Penicillin V	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Methicillin	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Ceftiofur	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Clindamycin	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Erythromycin	µg/kg	< 80		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Josamycin	µg/kg	< 80		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Lincomycin	µg/kg	< 80		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Roxithromycin	µg/kg	< 80		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Spiramycin	µg/kg	< 80		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Tiamulin	µg/kg	< 80		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Tilmicosin	µg/kg	< 80		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Tylosin	µg/kg	< 80		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Dimetridazole (DMZ)	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
HMMNI metabolite (DMZ-OH and RNZ-OH)	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Iprnidazole (IPZ)	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Iprnidazole metabolite (IPZ-OH)	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Metronidazole (MNZ)	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Metronidazole metabolite (MNZ-OH)	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Ronidazole	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfabenzamide	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfacetamide	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfachloropyridazine	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfaclozine (Sulfachlorpyrazine)	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfadiazine	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Sulfadimethoxine	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfadoxine	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfamerazine	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfamer	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfadimidine (Sulfamethazine)	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfamethizole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfamethoxazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfamethoxy pyridazine	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfamonomethoxine	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfaphenazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfapyridine	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfaquinoxaline	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfathiazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfisomidine	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Sulfisoxazole	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Dapsone	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Ormethoprim	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Trimethoprim	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Chlortetracycline	µg/kg	< 200		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Doxycycline	µg/kg	< 200		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Oxytetracycline	µg/kg	< 200		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Tetracycline	µg/kg	< 200		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Brilliant green	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Crystal violet (C.I. 42555)	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Leucocrystal violet	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Leucomalachite green	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Malachite green	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
screened veterinary drugs		Not detected		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN

Decision rule: If the testing laboratory issues a statement of conformity, the decision-making rule according to ch. 4.2.1 of ILAC document G8:09/2019 Guidelines for the use of decision rules and statement of conformity. In such a case, the measurement uncertainty is not taken into account for the conformity statement. If measurement uncertainty is included the decision, this information is included in the statement of conformity. In such a case, proceed according to chap. 4.2.3 ILAC G8:09/2019.

Notes: SOP, ŠPP - Standard operation procedure
 ND - not detected by given method
 CFU - Colony forming unit
 NM - necessary quantity
 SN - subcontracted not accredited test
 * - the expanded measurement uncertainty, as determined by the extension coefficient $k = 2$ (with a 95% probability), does not include sampling uncertainty; if the measurement uncertainty is expressed in %, it is its relative value
 LOD – limit of detection, LOQ – limit of quantification, result between LOD and LOQ = detected
 1) - Information supplied by customer
 Unless otherwise stated in the notes, the place of the tests performance is workplace No. 1 - Prague - of EUROFINS CZ testing laboratory.

TZ - type of test
 A - test within the accreditation scope of EUROFINS CZ
 N - test outside of the accreditation scope of EUROFINS CZ
 SA - subcontracted accredited test

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Test Certificate approved by:

Kristina Vácnová
 Pracovník clientského servisu


