

**Analytical report AR-25-HD-044270-01**

**Testing laboratory:**

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**Customer:**

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

**Issue date 09.12.2025**
**Sample code 540-2025-00065271**

**Sample reception date:** 24.11.2025  
**Date of Testing** 24.11.2025 - 08.12.2025

**Sample information:**

Sample name, extended: <sup>1)</sup>pctx1345  
 Sample description: <sup>1)</sup>005-32407-262829  
 Client Purchase order nr.: Proteiny  
 Order date: 21.11.2025  
 Client sample code: <sup>1)</sup> 25.07.2027; FF25305001  
 Sampler: Customer

**Microbiological tests**

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Aerobic Plate Count 30°C	cfu/g	<10		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	0.053	0.016	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
<b>Ciprofloxacin</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Danofloxacin</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Difloxacin</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Enoxacin</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Enrofloxacin</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Flumequin</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Lomefloxacin</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Marbofloxacin</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Nalidixic acid</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Norfloxacin</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Oxfloxacin</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Oxolinic acid</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Sarafloxacin</b>	µg/kg	< 40		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Cloxacillin</b>	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Dicloxacillin</b>	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Nafcilline</b>	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Oxacillin</b>	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Penicillin G</b>	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Penicillin V</b>	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Methicillin</b>	µg/kg	< 100		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
<b>Ceftiofur</b>	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
Ipronidazole (IPZ)	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2025-06)	LC-HRMS	SN
Ipronidazole 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
Sulfameter	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


