

**Analytical report AR-25-HD-008033-01**

**Testing laboratory:**

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**Customer:**

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

**Issue date 17.03.2025**
**Sample code 540-2025-00010454**

**Sample reception date:** 26.02.2025  
**Date of Testing** 26.02.2025 - 14.03.2025

**Sample information:**

Sample name, extended: <sup>1)</sup>20.12.2026; 760008634  
 Sample description: <sup>1)</sup>005-32407-210200  
 Client Purchase order nr.: HORMONY & ATB  
 Order date: 21.02.2025  
 Client sample code: <sup>1)</sup>WPEL; PCTX523-BULK20  
 Sampler: Customer

**Physical and chemical tests**

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
<b>Brutto sample weight of supplied sample</b>	kg	0.36	6%	++ SOP MB.005.PB	Gravimetry	A
<b>Testosterone</b>	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
<b>Epitestosterone</b>	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
<b>Methyltestosterone</b>	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
<b>Boldenone</b>	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
<b>17α-Boldenone</b>	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
<b>Methyl-Boldenone (Dianabol)</b>	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
<b>17α-Trenbolone</b>	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
<b>Trenbolone</b>	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
<b>16-Hydroxystanozolole / 16-OH-Stanozolole</b>	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
<b>Stanozolol</b>	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
<b>17α-nandrolone</b>	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA

**Physical and chemical tests**

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
19-Nortestosterone / Nandrolone	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Chlor-Testosterone (Clostebol)	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Trenbolone-acetate	µg/kg	< 2.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Testosterone propionate(Ester of anabolic steroid)	µg/kg	< 0.70		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
17β-Estradiol	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
17α-Estradiol	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Estrone	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Estriol	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Hexestrol	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Dienestrol	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Ethinyl-Estradiole	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Diethylstilbestrol	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Zeranol	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Beta-zearalanol	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Chlormadinone	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Chlormadinone acetate	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Medroxyprogesterone	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Medroxyprogesterone acetate	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Megestrol	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Megestrole acetate	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Melengestrole	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA

**Physical and chemical tests**

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Melengestrol acetate	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
17α-Hydroxyprogesteron	µg/kg	< 1.0		Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Progesterone	µg/kg	32	9	Internal Method 6, CON-PV 01365 (2025-02)	LC-MS/MS	SA
Dexamethasone	µg/kg	< 0.50		Internal Method 6, CON-PV 01338 (2022-08)	LC-MS/MS	SA
Betamethasone	µg/kg	< 0.50		Internal Method 6, CON-PV 01338 (2022-08)	LC-MS/MS	SA
Flumethasone	µg/kg	< 0.50		Internal Method 6, CON-PV 01338 (2022-08)	LC-MS/MS	SA
Prednisolone	µg/kg	< 2.0		Internal Method 6, CON-PV 01338 (2022-08)	LC-MS/MS	SA
6-α-methylprednisolone	µg/kg	< 5.0		Internal Method 6, CON-PV 01338 (2022-08)	LC-MS/MS	SA
Triamcinolone acetonide (Corticoid)	µg/kg	< 5.0		Internal Method 6, CON-PV 01338 (2022-08)	LC-MS/MS	SA
Chloramphenicol (CAP)	µg/kg	< 0.30		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Florfenicol	µg/kg	< 2.0		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Thiamphenicol	µg/kg	< 2.0		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Albendazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Albendazole-2-amino sulfone	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Albendazole sulfone	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Albendazole sulfoxide	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Cambendazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Febantel	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Fenbendazol	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Flubendazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
2-Aminoflubendazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA

**Physical and chemical tests**

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Levamisole	µg/kg	< 30		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Mebendazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Mebendazole-amine	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
5-Hydroxymebendazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Oxfendazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Oxfendazole sulfone	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Oxibendazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Thiabendazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Thiabendazole, 5-hydroxy-	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Cinoxacin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Ciprofloxacin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Danofloxacin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Difloxacin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Enoxacin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Enrofloxacin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Flumequin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Lomefloxacin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Marbofloxacin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Nalidixic acid	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Norfloxacin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Ofloxacacin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA

**Physical and chemical tests**

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Oxolinic acid	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sarafloxacin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Cloxacillin	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Dicloxacillin	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Nafcilline	µg/kg	< 50		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Oxacillin	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Penicillin G	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Penicillin V	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Methicillin	µg/kg	< 50		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Ceftiofur	µg/kg	< 20		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Clindamycin	µg/kg	< 30		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Erythromycin	µg/kg	< 30		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Josamycin	µg/kg	< 30		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Roxithromycin	µg/kg	< 30		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Spiramycin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Tiamulin	µg/kg	< 30		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Tilmicosin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Tylosin	µg/kg	< 30		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Dimetridazole (DMZ)	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Lincomycin	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
HMMNI metabolite (DMZ-OH and RNZ-OH)	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA

**Physical and chemical tests**

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Iprnidazole (IPZ)	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Iprnidazole metabolite (IPZ-OH)	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Metronidazole (MNZ)	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Metronidazole metabolite (MNZ-OH)	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Ronidazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfabenzamide	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfacetamide	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfachloropyridazine	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfaclozine (Sulfachlorpyrazine)	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfadiazine	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfadimethoxine	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfadoxine	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfamerazine	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfameter	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfadimidine (Sulfamethazine)	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfamethizole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfamethoxazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfamethoxypyridazine	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfamonomethoxine	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfaphenazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfapyridine	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA

### Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Sulfaquinoxaline	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfathiazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfisomidine	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Sulfisoxazole	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Dapsone	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Ormethoprim	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Trimethoprim	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Chlortetracycline	µg/kg	< 30		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Doxycycline	µg/kg	< 10		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Oxytetracycline	µg/kg	< 30		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Tetracycline	µg/kg	< 30		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
screened veterinary drugs		Not detected		Internal Method 6, CON-PV 01336 (2024-07)	LC-HRMS	SA
Thiouracil	µg/kg	< 100		Internal Method 6, CON-PV 01184 (2023-08)	LC-MS/MS	SA
Methylthiouracil	µg/kg	< 100		Internal Method 6, CON-PV 01184 (2023-08)	LC-MS/MS	SA
Propylthiouracil	µg/kg	< 100		Internal Method 6, CON-PV 01184 (2023-08)	LC-MS/MS	SA
Methimazole (Tapazole)	µg/kg	< 100		Internal Method 6, CON-PV 01184 (2023-08)	LC-MS/MS	SA
Phenylthiouracil	µg/kg	< 100		Internal Method 6, CON-PV 01184 (2023-08)	LC-MS/MS	SA

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 in 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.  
++ - tests performed by EUROFINS CZ testing laboratory workplace No. 2 - Brno

If the information supplied by the customer could have be to affect the validity of the results, the laboratory disclaims responsibility. For samples supplied by the customer, the results relate to the sample as received and provided by the customer. The measuring devices and gauges used for the test / tests have been calibrated and verified according to valid metrological regulations. The results of the measurements relate only to the subject of the tests and do not replace other documents, e.g. of an administrative nature. The result identified as subcontracting in this protocol is the result of subcontractor measurements based on contract, order. The protocol may be reproduced or incorporated into promotional materials only with the written consent of the EUROFINS CZ Testing Laboratory and only to the extent of such approval. Any alteration, reproduction of part of the test report is not permitted and such analytical report automatically becomes invalid. The authenticity and completeness of the report can be verified at the EUROFINS CZ test laboratory stated in the header of analytical report. This Test Report has been issued in accordance with the applicable Conditions of service available on request and accessible at [www.eurofins.cz](http://www.eurofins.cz).

Responsible for correctness: Jitka Pinkrová

Worked out by: Kristina Vícenová

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**Test Certificate approved by:**

Jitka Pinkrová  
Head of Laboratory

