CERTIFIED TRANSLATION FROM POLISH

Sworn translator of English and Polish Katarzyna Głuchowska, TP/8/15

[All comments in square brackets are the translator's.]

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PCA *[Polish Centre for Accreditation]*
Scope of accreditation No. AB 108

SCOPE OF ACCREDITATION OF TESTING LABORATORY No. AB 108
issued by the POLISH CENTRE FOR ACCREDITATION
01-382 Warszawa, ul. Szczotkarska 42

Edition no. 19, Date of Issue: 27.02.2020

[Testing Accreditation Symbol of the Polish Centre of Accreditation] AB 108	Name and Address POLSKIE LABORATORIUM ANTYDOPINGOWE ul. Trylogii 2/16 01-982 Warszawa
Identification code*)	Field of testing and item:
C/3, C/22	Chemical tests of Biological items and materials for testing, consumer products for humans

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*)The identification code according to the Annex to document DAB-07, available at PCA website www.pca.gov.pl

HEAD OF FOOD TESTING AND CERTIFICATION ACCREDITATION DEPARTMENT
Hanna Tugi

This document is an annex to accreditation certificate No. AB 108 of 01.01.2019.
Accreditation cycle from 28.12.2018 to 17.02.2023.
The status of accreditation and validity of the scope of accreditation can be verified at PCA website at *www.pca.gov.pl*

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GAS CHROMATOGRAPHY AND MASS SPECTROMETRY LABORATORY		
Test subject/product	Type of activity/properties tested/method	Reference documents
Flexible scope of accreditation[1)]		
Human urine	Presence of free stimulants and some narcotics[1)]	Testing procedure 1 (SOP_1)[1)] Testing procedure 14

	by GC/MS	(SOP_14)[1)] Testing procedure 15 (SOP_15)[1)]
	Steroid profile[1)] by GC/MS	Testing procedure 8 (SOP_8)[1)] Testing procedure 8a (SOP_8a)[1]
	Presence of hydroxyethyl starch[1)] by GC/MS	Testing procedure 11 (SOP_11)[1)] Testing procedure 15 (SOP_15)[1)]
	Differentiation between exogenous and endogenous anabolic-androgenic steroids[1)] by GC/C/IRMS, GC/C/IRMS/MS	Testing procedure 23 (SOP_23)[1)]
	Presence of doping substances[1)] by GC/MS/MS	Testing procedure 35 (SOP_35)[1)] Testing procedure 14 (SOP_14)[1)] Testing procedure 15 (SOP_15)[1)]
	Specific gravity determination[2)] by refractometry	Testing procedure 43 (SOP_43)[2)]
	Morphine concentration[1)] by GC/MS/MS	Testing procedure 3a (SOP_3a)[1)]
	19-Norandrosterone concentration[1)] by GC/MS/MS	Testing procedure 7a (SOP_7a)[1)]
	Salbutamol concentration[1)] by GC/MS, GC/MS/MS	Testing procedure 9a (SOP_9a)[1)]
	Tetrahydrocannabinols concentration[1)] by GC/MS, GC/MS/MS	Testing procedure 10a (SOP_10a)[1)]
Human blood	Presence of tetrahydrocannabinols[1)] by GC/MS/MS	Testing procedure 25 (SOP_25)[1)] Testing procedure 26 (SOP_26)[1)]
	Presence of 4-hydroxybutanoic acid by GC/MS/MS	Testing procedure 42 (SOP_42) Testing procedure 26 (SOP_26)[1)]

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GAS CHROMATOGRAPHY AND MASS SPECTROMETRY LABORATORY		
Test subject/product	Type of activity/properties tested/method	Reference documents
Flexible scope of accreditation[1)]		
Equine urine	Presence of free stimulants and some narcotics[1)] by GC/MS	Testing procedure M1 (SOP_M1)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of narcotics and other compounds[1)] by GC/MS	Testing procedure M2 (SOP_M2)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of anabolic-androgenic steroids and other compounds[1)] by GC/MS/MS	Testing procedure M3 (SOP_M3)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of non-steroidal anti-inflammatory drugs (NSAIDs)[1)] by GC/MS	Testing procedure M4 (SOP_M4)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of ß2-agonists[1)] by GC/MS	Testing procedure M9 (SOP_M9)[1)] Testing procedure 15 (SOP_15)[1)]
	Steroid profile[1)] by GC/MS	Testing procedure M11 (SOP_M11)[1)] Testing procedure M11a (SOP_M11a)[1)]
	Nandrolone metabolites concentration[1)] by GC/MS/MS	Testing procedure M3a (SOP_M3a)[1)]
Equine blood	Presence of free stimulants and some narcotics[1)] by GC/MS	Testing procedure P1 (SOP_P1)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of non-steroidal anti-inflammatory drugs (NSAIDs)[1)] by GC/MS	Testing procedure P4 (SOP_P4)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of ß2-agonists[1)] by GC/MS	Testing procedure P9 (SOP_P9)[1)] Testing procedure 15 (SOP_15)[1)]
Supplements	Presence of anabolic-androgenic steroids by GC/MS, GC/MS/MS	Testing procedure Od1 (SOP_Od1)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of stimulants and other compounds[1)] by GC/MS	Testing procedure Od2 (SOP_Od2)[1)] Testing procedure 15 (SOP_15)[1)]

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LIQUID CHROMATOGRAPHY AND MASS SPECTROMETRY LABORATORY		
Test subject/product	Type of activity/properties tested/method	Reference documents
Flexible scope of accreditation[1)]		
Human urine	Presence of conjugated stimulants and narcotics[1)] by LC/MS/MS	Testing procedure 15 (SOP_15)[1)]
	Presence of free biologically active compounds and/or their metabolites[1)] by LC/MS/MS	Testing procedure 6 (SOP_6)[1)] Testing procedure 14 (SOP_14)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of free and glucuronic acid-conjugated biologically active compounds and/or their metabolites[1)] by LC/MS/MS	Testing procedure 18 (SOP_18)[1)] Testing procedure 14 (SOP_14)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of beta blockers[1)] by LC/MS/MS	Testing procedure 22 (SOP_22)[1)] Testing procedure 14 (SOP_14)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of biologically active compounds and/or their metabolites with direct injection of test material[1)] by LC/MS/MS	Testing procedure 38 (SOP_38)[1)] Testing procedure 14 (SOP_14)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of biologically active compounds and/or their metabolites including peptides[1)] by LC/MS/MS	Testing procedure 40 (SOP_40)[1)] Testing procedure 14 (SOP_14)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of low-molecular-weight peptides and/or their metabolites by LC/MS/MS	Testing procedure 41 (SOP_41)[1)] Testing procedure 14 (SOP_14)[1)] Testing procedure 15 (SOP_15)[1)]
	Ephedrines concentration[1)] by LC/DAD	Testing procedure 2 (SOP_2)[1)] Testing procedure 2a(SOP_2a)[1)]
	Formoterol concentration[1)] by LC/MS/MS	Testing procedure 18a (SOP_18a)[1)]
	Specific gravity determination[2)] by refractometry	Testing procedure 43 (SOP_43)[2)]
Human blood	Presence of opiates, amphetamine, cocaine, benzodiazepines[1)] by LC/MS/MS	Testing procedure 24 (SOP_24)[1)] Testing procedure 26 (SOP_26)[1)]
Equine urine	Presence of non-steroidal anti-	Testing procedure M5 (SOP_M5)[1)]

	inflammatory drugs (NSAIDs)[1)] by LC/MS/MS	Testing procedure 15 (SOP_15)[1)]

LIQUID CHROMATOGRAPHY AND MASS SPECTROMETRY LABORATORY		
Test subject/product	Type of activity/properties tested/method	Reference documents
Flexible scope of accreditation[1)]		
Equine urine	Presence of xanthines[1)] by LC/DAD	Testing procedure M6 (SOP_M6)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of corticosteroids[1)] by LC/MS/MS	Testing procedure M7 (SOP_M7)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of diuretics and masking agents[1)] by LC/MS/MS	Testing procedure M8 (SOP_M8)[1)] Testing procedure 15 (SOP_15)[1)]
	Theobromine concentration[1)] by LC/DAD	Testing procedure M6a (SOP_M6a)[1)]
Equine blood	Presence of non-steroidal anti-inflammatory drugs (NSAIDs)[1)] by LC/MS/MS	Testing procedure P5 (SOP_P5)[1)] Testing procedure 15 (SOP_15)[1)]
Supplements	Presence of anabolic-androgenic steroids by LC/MS/MS	Testing procedure Od1 (SOP_Od1)[1)] Testing procedure 15 (SOP_15)[1)]
	Presence of stimulants and other substances[1)] by LC/MS/MS	Testing procedure Od2 (SOP_Od2)[1)] Testing procedure 15 (SOP_15)[1)]

PEPTIDE HORMONES AND HAEMATOLOGY LABORATORY		
Test subject/product	Type of activity/properties tested/method	Reference documents
Flexible scope of accreditation[1)]		

Human urine	Presence of exogenous erythropoietin[1)] by IEF-PAGE SDS-PAGE and/or SAR-PAGE	Testing procedure 19 (SOP_19)[1)] Testing procedure 27 (SOP_27)[1)]
	Luteinizing hormone concentration[1)] time-resolved immunofluorometric assay	Testing procedure 20 (SOP_20)[1)]
	Presence of hydroxyethyl starch[1)] colorimetric assay	Testing procedure 29 (SOP_29)[1)]
	Presence of choriogonadothropin[1)] immunoluminometric assay time-resolved immunofluorometric assay	Testing procedure 31 (SOP_31)[1)] Testing procedure 13a (SOP_13a)[1)]
	Luteinizing hormone concentration[1)] immunoluminometric assay	Testing procedure 32 (SOP_32)[1)]
	Specific gravity determination[2)] by refractometry	Testing procedure 43 (SOP_43)[2)]
Human blood	Presence of exogenous erythropoietin[1)] by IEF-PAGE SDS-PAGE and/or SAR-PAGE	Testing procedure 19 (SOP_19)[1)] Testing procedure 27 (SOP_27)[1)]
	Presence of somatotropin immunoluminometric assay radioimmunoassay	Testing procedure 21 (SOP_21)[1)] Testing procedure 39 (SOP_39)[1)]
	Presence of antigenically heterogeneous red blood cells by flow cytometry	Testing procedure 33 (SOP_33)[1)]
	Presence of haemoglobin-based artificial oxygen carriers or free haemoglobin by visual method	Testing procedure 34 (SOP_34)[1)]
	Haematological parameters[1)] by fluorescence flow cytometry impedance method cumulative electrical impulse count	Testing procedure H2 (SOP_H2)[1)]

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[1)] Modification of methods developed by the laboratory, change of measuring range of a testing method with respect to a given property and addition of tested property to an object and method are acceptable.

[2)] Modification of measuring range of a testing method, use of updated methods described in the procedures developed by the laboratory are acceptable.

Updated "Lista badań prowadzonych w ramach elastycznego zakresu akredytacji" *["List of tests performed within the flexible scope of accreditation framework"]* is readily available upon request at the accredited facility.

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List of Amendments to the Scope of Accreditation No. AB 108

Amendment status: Original version – A

[*Hologram*]

I hereby approve the amendment status
Head of Food Testing and Certification Accreditation Department

Hanna Tugi
Date: 27.02.2020

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I hereby certify the conformity of this translation with the document presented to me, made in Polish, attached hereto. Katarzyna Głuchowska, certified translator of Polish and English, registered in the Ministry of Justice under the number TP/8/15.

Register No. 7/2020

Warsaw, 6 March 2020

Katarzyna Głuchowska