

VETERINARY DRUGS AND HORMONE REZUIES

	BCR 386	BCR 387	BCR 388	BCR 389	BCR 390	BCR 391	BCR 502	BCR 503	BCR 504	BCR 648	BCR 649	BCR 444	BCR 445
	Bovine	Bovine	Bovine	Bovine	Bovine	Bovine	Bovine	Bovine	Bovine	Bovine	Bovine	Porcine	Porcine
	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Liver	Liver	Muscle	Muscle
	2 ml	2 ml	2 ml	2 ml	2 ml	2 ml	5 ml	5 ml	5 ml	10g	10g	7,5g	7,5g
	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/kg}$	$\mu\text{g/kg}$	$\mu\text{g/kg}$	$\mu\text{g/kg}$
Diethylstilboestrol (DES)	<0,1	-	-	-	-	-	-	-	-	-	-	-	-
Dienoestrol (DE)	-	<0,1	-	-	-	-	-	-	-	-	-	-	-
Hexoestrol (HEX)	-	-	<0,1	-	-	-	-	-	-	-	-	-	-
Diethylstilboestrol (DES)	-	-	-	12,8	-	-	-	-	-	-	-	-	-
Dienoestrol (DE)	-	-	-	-	(34)	-	-	-	-	-	-	-	-
Hexoestrol (HEX)	-	-	-	-	-	13,3	-	-	-	-	-	-	-
Chloramphenicol	-	-	-	-	-	-	-	-	-	-	-	<0,2	8,9
Clenbuterol	-	-	-	-	-	-	0,1	2,5	6,0	0,55	1,12	-	-
Salbutamol	-	-	-	-	-	-	0,1	2,3	5,6	-	-	-	-

DRUGS IN URINE

NIST 1507b Freeze-Dried Urine 4x20 ml					NIST 2382 Freeze-Dried Urine 4x20 ml				NIST 8444 Freeze-Dried Urine 4x20 ml			
$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$	$\mu\text{g/l}$
I	II	III	IV		I	II	III	IV	I	II	III	IV
THC-9-COOH	$x_D < 1$	11,7	24,1	49,6	-	-	-	-	-	-	-	-
Morphine Glucuronide	-	-	-	-	$x_D < 1$	209	437	853	-	-	-	-
Cotinine	-	-	-	-	-	-	-	-	0,8	54	-	488

VITAMINS

NIST 968d

Human Serum

set 2 (single conc.)

	$\mu\text{g/ml}$	$\mu\text{mol/l}$
trans-Retinol	0,311	1,09
γ -tocopherol	1,39	3,34
α -Tocopherol	5,93	13,77
total- β -Carotene	0,078	0,145
Cholesterol	1335	3454

VITAMINS

	BCR 121 wholemeal Flour 50 g mg/kg	BCR 122 Margarine 200 g mg/kg	BCR 431 Brussels Sprouts 20 g mg/kg	BCR 485 Mixed Vegetables 25 g mg/kg	BCR 487 Pigs Liver 75 g mg/kg
B1 (thiamin)	4,63	-	-	3,07	8,6
B2 (riboflavin)	-	-	-	-	106,8
B6 (total pyridoxine)	4,10	-	-	4,8	19,3
B12	-	-	-	-	1,12
C (total ascorbate)	-	-	4830	-	-
D3 (cholecalciferol)	-	0,125	-	-	-
E (tocopherol)	-	241	-	-	-
Folate (total)	0,50	-	-	3,15	13,3
Niacin	-	-	43	-	-
Trans- α -carotene	-	-	-	10,5	-
Trans- β -carotene	-	-	-	23,7	-
Total- α -carotene	-	-	-	9,8	-
Total- β -carotene	-	-	-	25,6	-
Lutein	-	-	-	12,5	-
Lutein+zeaxanthin	-	-	-	22,3	-

DRUGS		
	NIST 1511	NIST 2381
	Freeze-Dried Urine 3x20 ml	Freeze-Dried Urine 4x20 ml
	$\mu\text{g/l}$	$\mu\text{g/l}$
Benzoyllecgonine	162	-
Morphine	309	134-580
Codeine	288	130-560
THC-9-COOH	14,1	-
Phencyclidine	23,8	-
Cocaine	-	-

	BCR 486	BCR 457
	Lyophilized Material	Lyophilized Material
	$\mu\text{g per amp.}$	g/l
Purified alphafoetoprotein (AFP)	100	-
Human Thyroglobulin (Tg)	-	0,324
Prostate specific antigen	-	-

HAEMIGLOBINCYANIDE	
	BCR 522
	Bovine Blood Lysate 10 ml
HiCN	800,3 mg/l 49,61 $\mu\text{mol/l}$
Absorbance at 540 nm	0,5457

LIPIDS		
	NIST 1951B	
	Frozen Human Serum 2 x 2 ampules	
	$\mu\text{mol/l}$	
	I	II
Cholesterol	4,7109	7,1554
Total Glycerides	1,1357	1,9477
Triglycerides Only	1,0053	1,7462

AMYLOSE			
	BCR 465	BCR 466	BCR 467
	Rice Flour	Rice Flour	Rice Flour
	10 g	10 g	10 g
	g/100 g	g/100 g	g/100 g
Amylose	15,4	23,1	27,7

HORMONES			
	BCR 576	BCR 577	BCR 578
	Human Serum 5 ml	Human Serum 1 ml	Human Serum 1 ml
	nmol/l	nmol/l	nmol/l
17 β -Estradiol	0,114	0,689	1,34

APOLIPOPROTEINS	
	BCR 393
	Human Serum 1,5 ml
	g/l
Lyophilized Apo A I	1,06
Apo A II	-

OIL AND FATS		
	BCR 162	BCR 163
	Soya-maiye Oil Blend	Beef-pig Fat Oil Blend
	2 x 5 ml	2 x 5 ml
Methyl ester of	g/100g*	g/100g*
14:0 n-tetradecanoic acids	(0,06)	2,29
14:1m5	-	(0,3)
15:0	-	(0,3)
16:0 n-hexadecanoic acids	10,74	25,96
16:1 n-hexadecanoic acids	-	2,58
16:1m7	(0,1)	-
16:1m9	-	(0,3)
17:0	(0,08)	(1)
17:1	(0,04)	(0,4)
18:0 n-octadecanoic acids	2,82	18,29
18:1 n-octadecenoic acids	25,4	38,34
18:1m7	(1,08)	(1-3)
18:1 trans	(0,5)	(0,5)
18:2 n-octadecadienoic acids	54,13	7,05
18:2 trans	(0,46)	(0,5)
18:2 conj.	-	(0,4)
18:3 n-octadecenoic acids	3,35	0,86
18:3 trans	(0,46)	(0,5)
20:0	(0,38)	(0,3)
20:1	(0,23)	(0,8)
20:2	-	(0,3)
20:3	-	(0,3)
22:0	(0,27)	(0,5)
Sterols	Mass fraction (mg/100g) in fat	Mass fraction (mg/100g) in fat

* Mass fraction fatty acid methyl ester/total fatty acid methyl ester

OIL, MOISURE AND OLATILES CONTENT IN RAPESEED

	BCR 446	BCR 447	BCR 448
	Rapeseed	Rapeseed	Rapeseed
	150g	150g	150g
Mass fraction (g/100g)			
"As is" Oil	39,49	41,99	45,43
Moisture and volatiles	7,01	7,42	7,68
"Dry basis" Oil	42,48	45,36	49,21

CREATININE

	BCR 573	BCR 574	BCR 575
	Human Serum		
	Set of CRMs 3 x 5 ml of serum		
	nmol/l	nmol/l	nmol/l
Creatinine	68,7	105,0	404,1

CELKOVÉ BÍLKOVINY A KREATININ

SZÚ 6007a		
Lyofilizovaná lidská		
moč		
3 x 12 ml		
	mmol/l	mg/l
Kreatinin	9,34	-
Celkové bílkoviny	-	-
metoda biuretová	-	217
metoda Watanabeho	-	168
metoda Lowryho	-	(141)
metoda Bradfordova	-	(173)
metoda Pesce-Strande	-	(108)
metoda Extanova	-	(79)

	LGC 5001	LGC 5002	ALCOHOL LGC 5003	LGC 5004	LGC 5005
	Wine	Wine	Wine	Lager Shandy	Lager
	5 x 250 ml	5 x 250 ml	5 x 250 ml	5 x 330 ml	5 x 440 ml
	ml/100 ml (20°C)	ml/100 ml (20°C)	ml/100 ml (20°C)	ml/100 ml (20°C)	ml/100 ml (20°C)
Alcohol	5,04	10,02	14,75	1,02	4,75

	LGC 5404	LGC 5405	ALCOHOL LGC 5406	LGC 5407	LGC 5408
	Ethanol/Water 5 x 50 ml	Ethanol/Water 5 x 50 ml	Ethanol/Water 5 x 50 ml	Ethanol/Water 5 x 50 ml	Ethanol/Water 5 x 50 ml
	ml/100 ml (20°C)	ml/100 ml (20°C)	ml/100 ml (20°C)	ml/100 ml (20°C)	ml/100 ml (20°C)
Alcohol	5	15	40	70	90

	LGC 7017
	Sugar
	Confectionery
	12 g
	%
Fructose	1
Glucose	7,8
Lactose	54,6
Maltose	4,4
Sucrose	-
Nitrogen	-
Total Fat	-
Milk Fat	-

	ALCANE BCR 519
	Anhydrous butter fat
	5 ml
	g/kg
Chol	3,0
C24	0,5
C26	2,5
C28	5,9
C30	11,5
C32	24,3
C34	56,4
C36	104,7
C38	125,3
C40	100,3
C42	66,9
C44	61,1
C46	68,6
C48	86,9
C50	114,0
C52	109,6
C54	28,9