

Scope of Accreditation

Accredited body: **State veterinary and food institute**

Jánoškova 1611/58, 026 01 Dolný Kubín

Organizational unit and workplace performing the activity of the Accredited Body:

Veterinary and Food Institute in Bratislava, Botanická ulica 15, 842 52 Bratislava

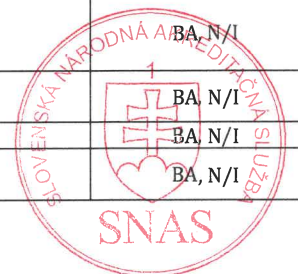
Reference Laboratory for Environmental Radioactivity, Tr. A. Hlinku 2, 949 76 Nitra

Identification number of the accredited body: 486/S-127**Laboratory with flexible accreditation scope**

Item	Subject of test		Method Applied		Other specification (opinions/ interpretation, workplace, etc.)
	Subject/ Matrix/ Environment	Property/ Parameter/ Indicator/ Analyte	Principle/ Kind/ Type	Label	
1.129	Foodstuffs Biological material of animal origin Feedstuffs	Hormones and substances with a hormonal effect: β -agonists	LC-MS/MS	ŠPP 742 ^{N1}	BA, N/I
1.130	Biological material of animal origin - Perirenal fat	Hormones and substances with a hormonal effect: Gestagens	LC-MS/MS	ŠPP 778 ^{N1}	BA, N/I
1.132	Foodstuffs	Hormones and substances with a hormonal effect: Corticosteroids	LC-MS/MS	ŠPP 700 ^{N1}	BA, N/I
1.253	Foodstuffs	Veterinary drugs: Non-steroidal anti-inflammatory drugs	LC-MS/MS	ŠPP 306 ^{N1}	BA, N/I
1.254	Foodstuffs Biological material of animal origin Feedstuffs	Veterinary drugs: Nitroimidazoles and metabolites	LC-MS/MS	ŠPP 307 ^{N1}	BA, N/I
1.259	Foodstuffs Biological material of animal origin Feedstuffs	Anticoagulants	LC-MS/MS	ŠPP 777 ^{N1}	BA, N/I
1.260	Foodstuffs	Sugars	HPLC RID	ŠPP 830 ^{N1}	BA, N/I
1.269	Foodstuffs Feedstuffs	Pesticide residues	LC-MS/MS	ŠPP OCH 9 ŠPP OCH 21 (STN EN 15662)	BA, N/I
1.271	Foodstuffs	Other chemical substances: Coumarine	HPLC DAD	ŠPP 800 ^{N1}	BA, N/I
1.273	Foodstuffs Feedstuffs	Antioxidants	HPLC DAD	ŠPP 620 ^{N1}	BA, N/I
1.274	Foodstuffs	Pesticide residues	LC-MS/MS	ŠPP OCH 17 ^{N1}	BA, N/I
1.275	Foodstuffs	Pesticide residues	LC-MS/MS	ŠPP OCH 19 ^{N1}	BA, N/I
1.276	Foodstuffs	Pesticide residues	LC-MS/MS	ŠPP OCH 20 ^{N1}	BA, N/I
1.278	Foodstuffs	Pesticide residues	LC-MS/MS	ŠPP OCH 24 ^{N1}	BA, N/I
1.309	Foodstuffs	Mycotoxins	HPLC DAD	ŠPP OCH 11 ^{N1}	BA, N/I
1.311	Foodstuffs Feedstuffs	Pesticide residues	LC-MS/MS	ŠPP OCH 10 ^{N1}	BA, N/I
1.331	Foodstuffs Feedstuffs	Mycotoxins	HPLC FLD	ŠPP 631 ^{N1}	BA, N/I
1.333	Foodstuffs Feedstuffs	Mycotoxins	HPLC FLD	ŠPP 632 ^{N1}	BA, N/I
1.334	Foodstuffs Feedstuffs	Mycotoxins	HPLC UV	ŠPP 633 ^{N1}	BA, N/I
1.335	Foodstuffs Feedstuffs	Mycotoxins	HPLC FLD	ŠPP 634 ^{N1}	BA, N/I
1.336	Foodstuffs	Artificial Sweeteners	HPLC DAD HPLC RID	ŠPP 811 ^{N1} ŠPP 812 ^{N1} ŠPP 832 ^{N1}	BA, N/I
1.338	Foodstuffs Feedstuffs Water	Anions	HPLC IC	ŠPP 671 ^{N1}	BA, N/I
1.339	Foodstuffs	Preservatives	HPLC DAD	ŠPP 886 ^{N1} ŠPP 852 ^{N1}	BA, N/I
1.346	Foodstuffs	Dyes	HPLC DAD	ŠPP 851 ^{N1}	BA, N/I
1.347	Foodstuffs Feedstuffs	Mycotoxins	HPLC FLD	ŠPP 635 ^{N1}	BA, N/I

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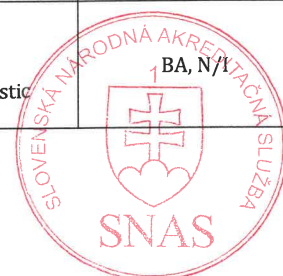
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1.348	Foodstuffs	Mycotoxins	HPLC FLD	ŠPP 639 ^{N1}	BA, N/I
1.349	Foodstuffs Feedstuffs	Mycotoxins	HPLC FLD	ŠPP 638 ^{N1}	BA, N/I
1.351	Foodstuffs	Food additives	HPLC DAD	ŠPP 893 ^{N1}	BA, N/I
1.352	Foodstuffs	Solanine	HPLC DAD	ŠPP T 118 ^{N1}	BA, N/I
1.353	Foodstuffs	Hydrocyanic acid, including hydrocyanic acid bound in cyanogenic glycosides	HPLC DAD	ŠPP 853 ^{N1}	BA, N/I
2.22	Foodstuffs Feedstuffs	Other chemical substances: Melamine	GC-MS	ŠPP 381 ^{N1}	BA, N/I
2.40	Biological material of animal origin - Blood serum	Hormones and substances with a hormonal effect Steroids	GC-MS GC-MS/MS	ŠPP 382 ^{N1}	BA, N/I
2.42	Biological material of animal origin - Blood serum	Hormones and substances with a hormonal effect Steroids	GC-MS GC-MS/MS	ŠPP 383 ^{N1}	BA, N/I
2.98	Foodstuffs - Fats	Presence of foreign fats, foreign fat in milk fat	GC FID	ŠPP 384 (STN EN ISO 17678)	BA, N/I
2.105	Foodstuffs Biological material of animal origin	Hormones and substances with a hormonal effect Resorcylic acid lactones (RALs)	GC-MS GC-MS/MS	ŠPP 906 ^{N1}	BA, N/I
2.110	Foodstuffs Biological material of animal origin	Hormones and substances with a hormonal effect Stilbenes	GC-MS GC-MS/MS	ŠPP 385a ^{N1}	BA, N/I
2.111	Foodstuffs Biological material of animal origin	Hormones and substances with a hormonal effect Steroids	GC-MS GC-MS/MS	ŠPP 386a ^{N1}	BA, N/I
2.254	Foodstuffs Feedstuffs	Polychlorinated biphenyls	GC ECD GC-MS GC-MS/MS	ŠPP 200 ^{N1}	BA, N/I
2.266	Foodstuffs	Methanol and Volatile substances	GC FID	ŠPP 320 (European Regulation 2870/2000)	BA, N/I
2.268	Foodstuffs Feedstuffs	Pesticide residues	GC ECD GC-MS GC-MS/MS	ŠPP 100 ^{N1}	BA, N/I
2.277	Foodstuffs Biological material of animal origin	Hormones and substances with a hormonal effect Steroids	GC-MS GC-MS/MS	ŠPP 318a ^{N1}	BA, N/I
2.280	Foodstuffs	Fatty acid profile	GC FID	ŠPP 317 (EN ISO 12966)	BA, N/I
2.301	Foodstuffs Feedstuffs	Pesticide residues	GC-MS/MS	ŠPP OCH 2 ^{N1}	BA, N/I
2.303	Foodstuffs Feedstuffs	Pesticide residues	GC-MS/MS	ŠPP OCH 3 ^{N1}	BA, N/I
2.304	Foodstuffs	Pesticide residues	GC ECD GC FPD	ŠPP OCH 4 ^{N1}	BA, N/I
2.310	Foodstuffs	Pesticide residues	GC ECD	ŠPP OCH 7 (STN EN 13191- 2)	BA, N/I
3.21	Biological material of animal origin	Antibodies against selected/some pathogens	ELISA (qualitative test)	ŠPP SER 7 (Manual for diagnostic kit)	BA, N/I
3.23				ŠPP SER 6 (Manual for diagnostic kit)	
3.28				ŠPP SER 5 (Manual for diagnostic kit)	
3.105				ŠPP VIR 4 (Manual for diagnostic kit)	
3.113	Biological material of animal origin	Titer of antibodies against selected /some pathogens.	ELISA	ŠPP VIR 1 ŠPP VIR 2 ŠPP VIR 3 (Manuals for diagnostic kits)	BA, N/I



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3.125	Foodstuffs Feedstuufs	Animal species	ELISA (qualitative test)	ŠPP P 12 (Manual for diagnostic kit)	BA, N/I
3.120	Foodstuffs Water	Allergens	ELISA	ŠPP P 3 (Manual for diagnostic kit)	BA, N/I
3.121				ŠPP P 4 (Manual for diagnostic kit)	
3.122				ŠPP P 1 (Manual for diagnostic kit)	
3.123				ŠPP P 6 (Manual for diagnostic kit)	
3.124				ŠPP P 7 (Manual for diagnostic kit)	
3.127				ŠPP P 2 (Manual for diagnostic kit)	
3.133				ŠPP P 9 (Manual for diagnostic kit)	
3.134				ŠPP P 10 (Manual for diagnostic kit)	
3.135				ŠPP P 8 (Manual for diagnostic kit)	
3.136				ŠPP P 11 (Manual for diagnostic kit)	
3.138				ŠPP P 5 (Manual for diagnostic kit)	
3.139	Foodstuffs	Cow's milk	ELISA	ŠPP P 13 (Manual for diagnostic kit)	BA, N/I
4.130	Biological material of animal origin - Larvae	Species of the genus Trichinella	PCR (qualitative test)	ŠPP MB č. 2/B.5 ^{N1}	BA, N/I
4.131	Foodstuffs Water	Allergens	PCR (qualitative test)	ŠPP MB č. 3/A.1.2. ŠPP MB č. 3/A.1.3 (STN EN 15634-2)	BA, N/I
5.256	Foodstuffs Feedstuffs Water	Trace elements	ETA-AAS	ŠPP 400 ^{N1}	BA, N/I
5.257	Foodstuffs Feedstuffs Water	Trace elements	HG-AAS	ŠPP č. 450 ^{N1}	BA, N/I
5.258	Foodstuffs Feedstuffs Water	Trace elements	OES	ŠPP 550 ^{N1}	BA, N/I
5.259	Foodstuffs Feedstuffs Water	Trace elements	AMA	ŠPP 551 (Altec: AMA 254, Praha, 1999)	BA, N/I
5.272	Foodstuffs Feedstuffs Water	Trace elements	F-AAS	ŠPP 500 ^{N1}	BA, N/I
8.421	Foodstuffs - Meat and meat products	Total Phosphorus (P ₂ O ₅)	Spectrophotometry	ISO 13730 (ŠPP HP/28)	BA, N/I
8.423	Foodstuffs - Honey	5-hydroxymetyl-2-furankarbaldehyd (HMF)	Spectrophotometry	STN 57 0190 art. 19	BA, N/I
8.430	Foodstuffs - Meat and meat products	Collagen (Hydroxyproline x 8)	Spectrophotometry	ISO 3496	BA, N/I
8.431	Foodstuffs - Honey	Diastatic activity	Spectrophotometry	ŠPP HP/04 (DIN 10750, STN 570190 art.20)	BA, N/I
8.473	Foodstuffs - Beer	Colour	Spectrophotometry	STN 56 0186 part 8	BA, N/I
8.474	Foodstuffs - Sugar	Type of colour	Spectrophotometry	ŠPP FCH 13 (Corporate literature Schmidt, Haensch 02.2003)	BA, N/I
8.480	Foodstuffs Water	Nitrites (NO ₂ ⁻)	Spectrophotometry	ŠPP T 204 (ISO 6635, STN 57 0158)	BA, N/I
8.481	Foodstuffs - Red pepper	Capsanthin - colour of pepper	Spectrophotometry	ŠPP FCH 10 (STN 58 0110 art.49)	BA, N/I
8.500	Foodstuffs - Red pepper	Capsaicin	Spectrophotometry	ŠPP FCH 17 (STN 58 0110 art.50)	BA, N/I

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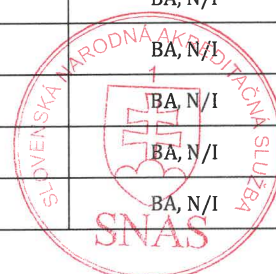
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8.502	Foodstuffs - Olive oils	Extinction coefficient	Spectrophotometry	ŠPP FCH 25 (NK EHS 2568/91 annex 9)	BA, N/I
8.506	Water	Amonium ions	Spectrophotometry	ŠPP FCH 14 (STN ISO 7150-1)	BA, N/I
8.507	Foodstuffs - Black pepper	Piperine	Spectrophotometry	STN ISO 5564	BA, N/I
9.60	Biological material of animal origin - Muscle tissue	Trichinella spp.	Digestion (qualitative test)	Commission Implementing Regulation (EU) 2015/1375 (ŠPP PAR 8)	BA
9.70	Foodstuffs - Fish, fishery products and products thereof	Anisakidae	Digestion (qualitative test)	ŠPP PAR 31 ^{N1}	BA
10.29	Foodstuffs - Raw milk	Somatic cells	Microscopy	STN EN ISO 13366-1 (ŠPP LRR-M 4A)	RA
10.68	Water	Bioseston	Microscopy	STN 75 7711 (ŠPP PAR 22)	BA, N/I
10.69	Water - Drink water	Abioseston	Microscopy	STN 75 7712 (ŠPP PAR 22)	BA, N/I
12.152	Biological material of animal origin	Salmonella spp.	Cultivation (qualitative test)	STN EN ISO 6579-1 ŠPP BAK 8 ^{N1}	BA
12.155	Biological material of animal origin	Campylobacter spp.	Cultivation (qualitative test)	ŠPP BAK 1 ^{N1}	BA
12.156	Biological material of animal origin	Clostridium spp.	Cultivation (qualitative test)	ŠPP BAK 26 ^{N1}	BA
12.163	Biological material of animal origin	Escherichia coli	Cultivation (qualitative test)	ŠPP BAK 7 ^{N1}	BA
12.167	Biological material of animal origin - Swabs from urogenital tract	Taylorella equigenitalis	Cultivation (qualitative test)	ŠPP BAK 19 ^{N1}	BA
12.168	Biological material of animal origin	Staphylococcus spp.	Cultivation (qualitative test)	ŠPP BAK 22 ^{N1}	BA
12.169	Biological material of animal origin	Streptococcus spp. and Enterococcus spp.	Cultivation (qualitative test)	ŠPP BAK 23 ^{N1}	BA
12.170	Biological material of animal origin - Bacterial strain	Antimicrobial susceptibility testing	Cultivation	ŠPP BAK 34 ^{N1}	BA
12.201	Foodstuffs Feedstuffs Swabs	Enumeration of microorganisms	Cultivation (quantitative test)	STN EN ISO 4833-1	BA, N/I
12.202	Foodstuffs Feedstuffs Swabs	Coliform bacteria	Cultivation (quantitative test)	STN ISO 4832	BA, N/I
12.204	Foodstuffs Feedstuffs Swabs	Bacteria of the genus Salmonella	Cultivation (qualitative test)	STN EN ISO 6579-1	BA, N/I
12.206	Foodstuffs Swabs	Coagulase-positive staphylococci	Cultivation (quantitative test)	STN EN ISO 6888-1,2	BA, N/I
12.207	Foodstuffs Feedstuffs	Clostridium sp. Clostridium perfringens	Cultivation (quantitative test)	STN EN ISO 15213-1,2	BA, N/I
12.208	Foodstuffs	Bacillus cereus	Cultivation (quantitative test)	STN EN ISO 7932	BA, N/I
12.209	Foodstuffs Feedstuffs Swabs	Bacteria of the species Escherichia coli	Cultivation (quantitative test)	STN ISO 16649-2,3	BA, N/I
12.210	Foodstuffs Feedstuffs Swabs	Enterobacteriaceae	Cultivation (quantitative test)	STN ISO 21528-2	BA, N/I
12.211	Foodstuffs Feedstuffs	Enterococci	Cultivation (quantitative test)	STN 560100 čl.80	BA, N/I
12.212	Foodstuffs	Bacteria of the genus Lactobacillus	Cultivation (quantitative test)	STN 560094	BA, N/I
12.213	Foodstuffs	Bacteria of the genus Leuconostoc sp.	Cultivation (quantitative test)	STN 560095	BA, N/I
12.214	Foodstuffs	Osmophilic yeasts	Cultivation (quantitative test)	STN 56 0100 čl. 86	BA, N/I
12.215	Water	Cultivable microorganisms	Cultivation (quantitative test)	STN EN ISO 6222	BA, N/I
12.216	Foodstuffs	Pseudomonas aeruginosa	Cultivation (quantitative test)	STN 56 0100 čl. 83	BA, N/I

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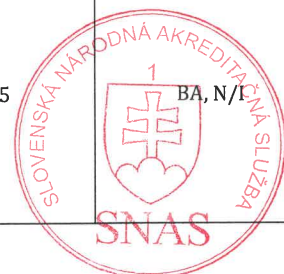
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12.217	Foodstuffs Swabs	Listeria monocytogenes Listeria spp.	Cultivation (qualitative test)	STN EN ISO 11290-1	BA, N/I
12.219	Foodstuffs	Listeria monocytogenes Listeria spp.	Cultivation (quantitative test)	STN EN ISO 11290-2	BA, N/I
12.221	Foodstuffs	Bacteria of the genus Campylobacter	Cultivation (qualitative test)	STN EN ISO 10272-1	BA, N/I
12.222	Foodstuffs	Escherichia coli O 157	Cultivation (qualitative test)	STN EN ISO 16 654 (ŠPP HP 06)	BA, N/I
12.227	Water	Escherichia coli and coliform bacteria	Cultivation (quantitative test)	STN EN ISO 9308-1	BA, N/I
12.228	Water	Spores of sulfite-reducing anaerobes	Cultivation (quantitative test)	STN EN 26461-2	BA, N/I
12.229	Water	Intestinal enterococci	Cultivation (quantitative test)	STN EN ISO 7899-2	BA, N/I
12.231	Foodstuffs Feedstuffs Swabs	Yeast and mold	Cultivation (quantitative test)	STN ISO 21527-1,2	BA, N/I
12.232	Foodstuffs - Sour milk products	Number of characteristic microorganisms (Lactobacilli, Streptococci, Bifidobacteria)	Cultivation (quantitative test)	ŠPP HP 23 (ISO 7889)	BA, N/I
12.237	Water	Pseudomonas aeruginosa	Cultivation (quantitative test)	STN EN ISO 16266	BA, N/I
12.238	Water	Salmonella sp.	Cultivation (qualitative test)	STN EN ISO 19250	BA, N/I
12.240	Foodstuffs	Bacteria of the genus Shigella	Cultivation (qualitative test)	ČSN EN ISO 21567 (ŠPP HP 30)	BA, N/I
12.241	Water	Clostridium perfringens	Cultivation (quantitative test)	STN EN ISO 14189	BA, N/I
14.224 b	Foodstuffs Carcass samples	Residues of inhibitory substances	Diffusion on agar (qualitative test)	ŠPP 900/1 (Úradná metóda CH 12.18 PREMITEST)	BA, N/I
14.224 c	Foodstuffs - Milk and milk products	Residues of inhibitory substances	Diffusion on agar (qualitative test)	ŠPP 900/2 (Úradná metóda CH 12.20 ECLIPSE 50)	BA, N/I
14.225	Foodstuffs Carcass samples	Residues of inhibitory substances	Diffusion on agar (qualitative test)	ŠPP HP 02 („STAR“ SCREENING TEST)	BA, N/I
14.30	Foodstuffs - Honey	Antibacterial activity of honey Minimal inhibitory concentration (MIC)	Gel diffusion	ŠPP P 20 ^{N1}	BA, N/I
18.405	Foodstuffs Water	Sensory evaluation, Food labelling	Sensory and visual assessment	ŠPP S 01 ^{N2} ŠPP S 19 ŠPP S 18 (STN EN 1622)	BA, N/I
18.433	Foodstuffs - Meat and meat products			ŠPP HP 13 (Methodology ŠVPS SR č. 7908/2004-420 part 3)	
19.343	Water	Determination of permanganate index (ChSK - Mn)	Volumetric analysis	STN EN ISO 8467 (ŠPP T 210)	BA, N/I
19.438	Foodstuffs Feedstuffs	Peroxide value	Volumetric analysis	STN EN ISO 27107 (ŠPP FCH 15) NK 2568/91	BA, N/I
19.439	Foodstuffs	Acidity	Volumetric analysis	STN EN ISO 660 NK 2568/91	BA, N/I
19.442	Foodstuffs - Wine	Volatile acidity	Volumetric analysis	ŠPP FCH 22 (OIV - MA - AS313-02, STN 56 0216 part 6)	BA, N/I
19.443	Foodstuffs - Alkohol and spirits	Total acidity	Volumetric analysis	STN 56 0210 part 6	BA, N/I
19.445	Foodstuffs - Honey	Titrateable acidity	Volumetric analysis	STN 57 0190 art.15	BA, N/I



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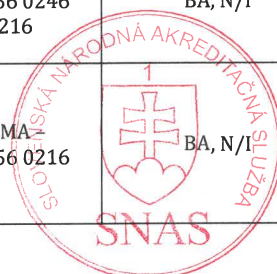
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19.446	Foodstuffs	Acidity	Volumetric analysis	STN EN 12147 STN 56 0240 part 5 (ŠPP FCH 16) ŠPP FCH 24 (OIV – MA – AS313-01, STN 56 0246 part 13 art.44, STN 56 0216 part 5) ŠPP FCH 16 American Society of Brewing Chemists Methods of Analysis, rev.1975 STN 56 0245 art.20 (ŠPP FCH 16/1) STN 58 1361 art.16 (ŠPP FCH 16)	BA, N/I
19.450	Foodstuffs	Sodium chloride	Volumetric analysis	ŠPP FCH 19/1 (STN 57 0107-12), ŠPP FCH 19 (STN EN ISO 5943) ŠPP FCH 19 (STN 57 0146 čl.22) ŠPP FCH 19/1 (STN ISO 1841-1) ŠPP FCH 19 (STN 58 0120 art.28) ŠPP FCH 19 (STN 57 0135 art.16) ŠPP FCH 19/1 (STN 57 0167 art.1) ŠPP FCH 19 (STN 58 0170- 7 art.B ŠPP FCH 19 (STN 58 1361 art.18) ŠPP FCH 19 (STN 58 0703 art.24) ŠPP FCH 19 (STN 580101, ČSN 588769) ŠPP FCH 19 (STN 56 0116 art.35) ŠPP FCH 19 (STN EN 12133) ŠPP FCH 19 (STN 56 0246 art.48)	BA, N/I
19.453	Foodstuffs Feedstuffs	Protein	Volumetric analysis	ŠPP FCH 7 (STN 56 0146) ŠPP FCH 7 (STN 56 0116) ŠPP FCH 7 (STN 46 1011 part 18, STN EN ISO 20483) ŠPP FCH 7 (STN EN ISO 8968 -1, STN 57 0105 art.26) ŠPP FCH 7 (STN 58 0703 art.26) ŠPP FCH 7 (STN 56 0188 art.19) ŠPP FCH 7 (STN ISO 937) ŠPP FCH 7 (NK 152/09, A.Príbela, Analýza potravín-cvičenia 1987, Krátky návod k použiti UDK 169&159	BA, N/I
19.457	Foodstuffs	Sugar	Volumetric analysis	STN 56 0160 part 7 ŠPP FCH 21 (OIV – MA – AS311-01A, STN 56 0246 part 18, STN 56 0216 art.44	BA, N/I
19.467	Foodstuffs	Sulphur dioxide	Volumetric analysis	STN EN 1988-1 ŠPP FCH 5 (OIV – MA – AS323-04B, STN 56 0216 part 7)	BA, N/I

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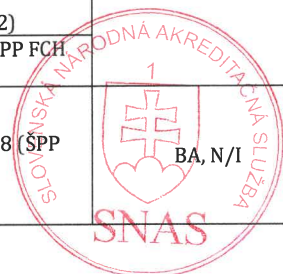
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20.434	Foodstuffs	Moisture Dry matter	Gravimetry	STN 580110 čl.31, art.32 (ŠPP FCH 1) STN 58 1361 art.13 (ŠPP FCH 1) STN 58 0113 part 11 STN P 580114 (ŠPP FCH 1) STN ISO 1572, STN ISO 1573 STN ISO 7513 STN 58 1302 art.15 (ŠPP FCH 1) STN 56 0116 part 3B, 3A (ŠPP FCH 1) STN 56 0146 part 3 (ŠPP FCH 1) STN 56 0188 art.17 (ŠPP FCH 1) STN EN ISO 1666, STN 560177 (ŠPP FCH 1) STN 56 0161 (ŠPP FCH 1) STN 58 0101 art.30 (ŠPP FCH 1) STN 56 0520 art.21 (ŠPP FCH 1) STN EN ISO 712 (ŠPP FCH 1) STN 56 0512 part 7 (ŠPP FCH 1) STN 56 0115 art. 28 (ŠPP FCH 1) STN ISO 6540 (ŠPP FCH 1) STN 46 1011 part 20 (ŠPP FCH 1) STN EN ISO 665 (ŠPP FCH 1) STN 56 0232 art. 45, art. 46 (ŠPP FCH 1) STN EN 12145 STN 57 0104-3 art.B STN P 570105-10 art.4 STN EN ISO 5534 STN EN ISO 3727-1, STN EN ISO 3727-2 STN ISO 1442 STN 57 0146 art.18	BA, N/I
	Feedstuffs			NK (ES) 152/09	
20.436	Foodstuffs	Ash	Gravimetry	STN 56 0116-4 (ŠPP FCH 2) STN 56 0146 part 6 (ŠPP FCH 2) STN 56 0240-9 (ŠPP FCH 2) STN EN 1135 (ŠPP FCH 2) STN 58 0110 art.35 (ŠPP FCH 2) STN ISO 1576 STN 58 0112 art.8 STN 56 0512 part 8 (ŠPP FCH 2) STN 56 0115 art.29 (ŠPP FCH 2) ISO 936 (ŠPP FCH 2)	BA, N/I
	Feedstuffs			NK (ES) 152/09 (ŠPP FCH 2)	
20.449	Foodstuffs - Spices	Ash insoluble in HCl	Gravimetry	STN 58 0110 art. 38 (ŠPP FCH 4)	BA, N/I

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Item	Subject of test		Method Applied		Other specification (opinions/ interpretation, workplace, etc.)
	Subject/ Matrix/ Environment	Property/ Parameter/ Indicator/ Analyte	Principle/ Kind/ Type	Label	
20.452 a	Foodstuffs	Weight Proportions	Gravimetry	STN 56 0116 čl. 49 (ŠPP FCH 20) STN 56 0246 art. 30 (ŠPP FCH 20) STN 56 0290 art. 23 (ŠPP FCH 20) STN 57 0135 art.10,11 (ŠPP FCH 20) STN 57 0146-3 art. 1, 2 (ŠPP FCH 20) STN 57 0152 (ŠPP FCH 20) CODEX STAN 190-1995	BA, N/I
20.460 a	Foodstuffs	Total extract Extract	Gravimetry	STN 56 0246 art.58 ŠPP FCH 27 (OIV-MA-AS2-01A, OIV-MA-AS2-03B, STN 56 0216 part 9)	BA, N/I
20.463	Foodstuffs - Sugar	Insoluble substances	Gravimetry	STN 56 0160 part 37	BA, N/I
20.465	Foodstuffs Feedstuffs	Insoluble impurities	Gravimetry	STN ISO 663	BA, N/I
20.466	Foodstuffs - Wine	Density at temperature 20 °C	Gravimetry	ŠPP FCH 27 (OIV-MA-AS2-01A, OIV-MA-AS2-03B)	BA, N/I
20.482	Foodstuffs - Citrus fruits	Juiciness	Gravimetry	STN 46 3204	BA, N/I
20.488	Foodstuffs - Cereals and cereal products and products thereof	Wet gluten	Gravimetry	STN EN ISO 21415-1	BA, N/I
20.496	Foodstuffs	Total impurities ^{N3}	Gravimetry	STN 56 0520 art.19, 20 (ŠPP FCH 8) STN 46 1011-34 (ŠPP FCH 8) STN 46 1011-30,31, STN 46 1100-2,3 STN EN 15587 (ŠPP FCH 8) STN 56 0232 art.41 (ŠPP FCH 8)	BA, N/I
20.503	Foodstuffs - Cereals and cereal products and products thereof	Grain size	Gravimetry	STN 56 0512 art.31b	BA, N/I
21.483	Foodstuffs - Condiments	Volatile oils	Volumetry	ČSN EN ISO 6571	BA, N/I
22.2	Packaging of all foodstuffs	Labelling - Medium font height	Measurement of length	ŠPP FCH 11 (Regulation (EU) No 1169/2011 of the European Parliament and of the Council)	BA, N/I
23.495	Foodstuffs - Cereals and cereal products and products thereof	Germination	Visual assessment	STN 46 1011 part 19	BA, N/I
24.424	Foodstuffs	Quantity of meat	Calculation from componen	ŠPP HP/14 (Labeling and composition of meat products, Food standard agency 2003, NK (ES) 2004/2002, Vyhláška MPA RV SR 83/2016) Codex Stan 166-1989	BA, N/I
24.429	Foodstuffs - Frozen and deep-frozen chickens, chilled, frozen, and deep- frozen chicken and turkey parts	Total water content (chemical test)	Calculation from componen	NK (ES) 543/2008	BA, N/I
24.447 b	Foodstuffs - Butter	Fat	Calculation from componen	STN EN ISO 3727-3	BA, N/I
24.557	Foodstuffs	Energy value	Calculation from componen	Food tables VÚP Bratislava, 2000 NK (ES) 1169/2011	BA, N/I

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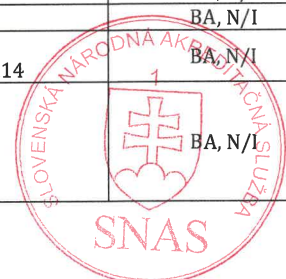
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Item	Subject of test		Method Applied		Other specification (opinions/ interpretation, workplace, etc.)
	Subject/ Matrix/ Environment	Property/ Parameter/ Indicator/ Analyte	Principle/ Kind/ Type	Label	
25.447	Foodstuffs	Fat	Extraction	STN 56 0116 art.37 STN 56 0146 part 4 (ŠPP FCH 3/1) STN 58 1361 art.17 (ŠPP FCH 3/1) STN 58 0170 part 5 (ŠPP FCH 3/1) STN 58 0120 art. 23 (ŠPP FCH 3/1) STN EN 1528 STN ISO 659, STN EN ISO 734-2 STN 56 0232 art.52 STN 57 0104 part 4 (ŠPP FCH 3/2) STN 57 0105 part 4 (ŠPP FCH 3/2) STN EN ISO 1211 (570084) (ŠPP FCH 31) STN EN ISO 1736 (570830) (ŠPP FCH 31) STN EN ISO 7208 (570090) (ŠPP FCH 31) STN EN ISO 2450 (570095) (ŠPP FCH 31) STN EN ISO 23319 (571104) (ŠPP FCH 31) STN EN ISO 1737 (ŠPP FCH 31) STN ISO 1443 (ŠPP FCH 3/2) STN ISO 1444 (ŠPP FCH 3/3) STN EN ISO 17189 (ŠPP FCH 3/4)	BA, N/I
	Feedstuffs			NK(ES) 152/09, ŠPP FCH 3/2	
27.51	Foodstuffs - Milk	Fat	Infrared absorption analysis	STN 57 0536, STN 57 0530 art.40 (ŠPP LRR - M 3)	RA
27.52		Protein			
27.53		Lactose			
27.54		Dry matter			
27.55		Fat - free dry matter (BTS)			
27.56		Urea			
28.61	Foodstuffs - Raw milk	Somatic cells	Fluorescence	STN EN ISO 13366-2 (ŠPP LRR - M 4B)	RA
29.56	Foodstuffs - Milk	Freezing point	Cryoscopy	STN EN ISO 5764 (ŠPP ŠPP LRR - M 6)	RA
33.491	Foodstuff - Cereals and mill products	Falling number	Viscosimetry	STN EN ISO 3093	BA, N/I
35.444	Foodstuffs	pH	Potentiometry	STN 56 0186 part 7 (ŠPP FCH 18) STN EN 1132 (ŠPP FCH 18) STN ISO 2917 (ŠPP FCH 18) STN 56 0246 art. 47 (ŠPP FCH 18) STN 57 0107 art. 22 (ŠPP FCH 18) STN 57 0530 art. 59 (ŠPP FCH 18) STN EN ISO 10523	BA, N/I
	Water				
36.478	Foodstuff - Honey	Conductivity at temperature 20 °C	Conductometry	STN 57 0190 art.18	BA, N/I
36.505	Water	Electrolytic conductivity	Conductometry	STN EN 27888	BA, N/I
37.455	Foodstuffs	Sucrose	Polarimetry	STN 56 0161 STN 57 0190 art.14	BA, N/I
37.477	Feedstuffs	Starch	Polarimetry	NK 152/09	BA, N/I

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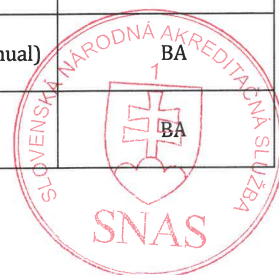
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38.435	Foodstuffs	Refractometric dry weight Water	Refractometry	STN 57 0190 art.11 STN 56 0240 part 3 STN EN 12143 (ŠPP FCH 6) OIV-MA-AS2-02 STN 56 0246 part 10 (ŠPP FCH 6)	BA, N/I
39.461	Foodstuff - Beverages	Carbon dioxide	Manometry pressure measurement	STN 56 0240 part 4 STN 56 0216 art. 62	BA, N/I
40.459	Foodstuffs	Ethanol	Distillation	ŠPP FCH 12 STN 56 0210 STN 56 0186 part 5 STN 56 0216 art.29, 30 ŠPP FCH 28 (OIV-MA- AS312-01A)	BA, N/I
40.460	Foodstuff - Beer	Extract in the original wort	Distillation	STN 56 0186 part 6	BA, N/I
42.428	Foodstuffs	Water activity	Measurement of the relative humidity of the air above the foodstuff by electrical conductivity	STN ISO 21807 (ŠPP FCH 30)	BA, N/I
45.235	Foodstuffs packed in a protective atmosphere	Oxygen content Carbon dioxide content	Instrumental measurement of the percentage of gases	ŠPP HP 25 (Manuál O.K. SERVIS Bio pro)	BA, N/I
44.64	Foodstuffs Feedstuufs Components of the environment	Gamma spectrometry of radionuclides in the range of energies 50 keV – 2000 keV	HPGe Gama spectrometry	ŠPP: LRR-64 (STN IEC 61452 (2003): Nuclear Instrumentation. Measurement of gamma- ray emission rates of radionuclides. Calibration and use of germanium spectrometers. IEC 1995, 72 p.)	RA
47.3	Biological material of animal origin	Causes of death	Autopsy (qualitative test)	ŠPP PAT 2 (E.Švický, L.Lenhardt, M.Levkut, Pathological- anatomical autopsy of farm animals, dr.pra dopl.vyd.,VŠV 1992)	BA, N/I
47.4				ŠPP PAT 1 (E.Švický, L.Lenhardt, M.Levkut, Pathological- anatomical autopsy of farm animals, dr.pra dopl.vyd.,VŠV 1992)	
49.22	Biological material of animal origin - Blood serum	Antibodies against equine infectious anemia virus	Agar gel immuno- diffusion test (qualitative test)	ŠPP SER 3 (Manual for diagnostic kits, WOA Manual – Equine infectious anaemia)	BA
50.28	Biological material of animal origin - Blood serum	Antibodies against leptospira	Microscopic agglutination test	ŠPP SER 2 (WOAH Manual - Leptospirosis)	BA
50.29	Biological material of animal origin - Blood serum	Antibody against selected/some pathogens	Rapid serum agglutination	ŠPP SER 1 (Manuals for diagnostic kits,WOAH Manual – Brucellosis, Tularemia, Avian Mycoplasmosis, Fowl Typhoid and Pullorum disease)	BA
51.27	Biological material of animal origin - Blood serum	Complement fixation antibodies	Complement fixation test	ŠPP SER 4 (WOAH Manual)	BA
53.71	Biological material of animal origin	Echinococcus spp.	Sedimentation (qualitative test)	ŠPP PAR 19 (WOAH Terrestrial Manual)	BA

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The laboratory maintains an up-to-date list of all test methods with a flexible scope of accreditation on the website:

http://www.svuba.sk/dokumenty/flexibilny_rozsah.pdf.

Flexibility does not apply to changing the principle of the methods used in a given flexible scope.

The principle of flexibility can be used by the laboratory within the framework of:

- ☒ objects/matrices
- ☒ properties/parameters/indicators/analytes
- ☒ methods and procedures used for testing
- ☒ equipment

Name and surname, title	Competence to modify and validate methods – - item No. of Accreditation Scope
Katarína Strišková, MVDr., PhD.	3.21, 3.23, 3.28, 3.105, 3.113, 3.120 - 3.125, 3.127, 3.133 - 3.136, 3.138, 3.139, 4.130, 4.131, 14.30, 49.22, 50.28, 50.29, 51.27
Yveta Vojsová, Ing.	1.309, 1.331, 1.333 - 1.336, 1.338, 1.339, 1.346, 1.347, 1.348, 1.349, 1.351, 1.352, 1.353, 8.480, 19.343
Daniela Valentová, Mgr.	9.60, 9.70, 10.68, 10.69, 53.71
Ľudmila Kazarková, MVDr.	12.201, 12.202, 12.204, 12.206 - 12.217, 12.219, 12.221, 12.222, 12.227 - 12.229, 12.231, 12.232, 12.237, 12.238, 12.240, 12.241, 14.224b, 14.224c, 14.225, 18.433
Adriana Ivičiová, RNDr.	1.129, 1.130, 1.132, 2.22, 2.40, 2.42, 2.98, 2.105, 2.110, 2.111, 2.277
Zuzana Tóthová, Ing.	1.259, 1.269, 1.274, 1.275, 1.276, 1.278, 1.311
Renáta Špániková, Ing.	1.253, 1.254, 1.260, 1.271, 1.273, 1.336 (sukralóza), 5.256, 5.257, 5.258, 5.259, 5.272
Ľubomíra Briza, Ing.	1.253, 1.254
Marcel Repiský, Mgr.	2.254, 2.266, 2.268, 2.280, 2.301, 2.303, 2.304, 2.310
Natália Hrušovská, Mgr.	1.259, 1.269, 1.274, 1.275, 1.276, 1.278, 1.311
Monika Janušíková, Ing.	2.301, 2.303, 2.304, 2.310
Norbert Michálek, Mgr.	2.301, 2.303, 2.304, 2.310
Lucia Martinkovičová, Ing.	1.309, 1.331, 1.333 - 1.336, 1.338, 1.339, 1.346, 1.347, 1.348, 1.349, 1.351, 1.352, 1.353, 8.480, 19.343
Ivana Bartalossová, Ing.	1.309, 1.331, 1.333 - 1.336, 1.338, 1.339, 1.346, 1.347, 1.348, 1.349, 1.351, 1.352, 1.353, 8.480, 19.343
Alexandra Miščiková, Mgr.	1.309, 1.331, 1.333, 1.334, 1.335, 1.338, 1.347, 1.348, 1.349, 1.352
Anita Lelkesová, Ing.	1.336, 1.338, 1.339, 1.351
Jarmila Budajová, Ing.	8.473, 8.474, 8.481, 8.500, 8.502, 8.506, 19.453, 19.467, 20.463, 20.488, 20.496, 20.503, 22.2, 23.495, 24.557, 33.491, 35.444, 36.478, 36.505, 39.461
Renáta Vranková, Ing.	8.473, 8.474, 8.481, 8.500, 8.502, 8.507, 19.438, 19.439, 19.442, 19.443, 19.445, 19.446, 19.450, 19.453, 19.457, 19.467, 20.434, 20.436, 20.449, 20.452a, 20.460a, 20.463, 20.465, 20.466, 20.482, 20.488, 20.496, 20.503, 21.483, 23.495, 24.557, 25.447, 33.491, 35.444, 36.478, 36.505, 37.455, 37.477, 40.459, 40.460, 42.428
Peter Bobuš, Ing.	8.506, 19.439, 20.434, 20.436, 21.483, 35.444, 36.478, 36.505, 37.477, 38.435
Mária Orlická, Ing.	8.421, 8.423, 8.430, 8.431, 20.434, 24.424, 24.429, 24.447b, 24.557, 37.455, 45.235
Jana Repová, Ing.	8.423, 8.430, 8.431, 8.473, 18.405, 19.442, 19.446, 19.457, 19.467, 20.434, 20.452a, 20.460a, 20.466, 24.424, 24.429, 24.447b, 39.461, 40.459, 40.460, 42.428
Ľubomír Puskeiler, RNDr.	46.64
Juraj Miššík, RNDr. PhD.	46.64
Iveta Fehér Pindešová, Ing.	10.29, 27.51, 27.52, 27.53, 27.54, 27.55, 27.56, 28.61, 29.56



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Certificate of Accreditation***Employees capable of expressing opinions and interpretations**

Name and surname, title	Ability of expressing opinions and interpretations - - item No. of Accreditation Scope
Katarína Strišková, MVDr., PhD.	3.120, 3.121, 3.122, 3.123, 3.124, 3.125, 3.127, 3.133, 3.134, 3.135, 3.136, 3.138, 3.139, 4.131, 14.30
Yveta Vojsová, Ing.	1.126, 1.129, 1.130, 1.132, 1.252, 1.253, 1.254, 1.256, 1.259, 1.260, 1.267, 1.269, 1.271, 1.273, 1.274, 1.275, 1.276, 1.277, 1.278, 1.309, 1.311, 1.312, 1.331, 1.333, 1.334, 1.335, 1.336, 1.338, 1.339, 1.346, 1.347, 1.348, 1.349, 1.351, 1.352, 1.353, 1.510, 1.555, 2.22, 2.40, 2.42, 2.98, 2.104, 2.105, 2.110, 2.111, 2.116, 2.117, 2.254, 2.262, 2.266, 2.267, 2.268, 2.277, 2.280, 2.301, 2.303, 2.304, 2.310, 3.120, 3.121, 3.122, 3.123, 3.124, 3.125, 3.127, 3.133, 3.134, 3.135, 3.136, 3.138, 3.139, 3.274, 4.131, 5.256, 5.257, 5.258, 5.259, 5.272, 8.421, 8.423, 8.430, 8.431, 8.473, 8.474, 8.480, 8.481, 8.500, 8.502, 8.506, 8.507, 8.508, 10.68, 10.69, 12.201, 12.202, 12.204, 12.206, 12.207, 12.208, 12.209, 12.210, 12.211, 12.212, 12.213, 12.214, 12.215, 12.216, 12.217, 12.219, 12.221, 12.222, 12.227, 12.228, 12.229, 12.231, 12.232, 12.237, 12.238, 12.240, 12.241, 14.224b, 14.224c, 14.225, 18.405, 18.433, 19.343, 19.384, 19.386, 19.438, 19.439, 19.442, 19.443, 19.445, 19.446, 19.450, 19.453, 19.457, 19.467, 20.241, 20.434, 20.436, 20.449, 20.452a, 20.460a, 20.463, 20.465, 20.466, 20.482, 20.488, 20.496, 20.503, 21.483, 22.2, 23.495, 23.497, 24.424, 24.429, 24.447b, 24.557, 25.383, 25.447, 33.491, 35.444, 36.478, 36.505, 37.455, 37.477, 38.435, 39.461, 40.459, 40.460, 42.428, 44.475, 45.235
Ľudmila Kazarková, MVDr.	3.120, 3.121, 3.122, 3.123, 3.124, 3.125, 3.127, 3.133, 3.134, 3.135, 3.136, 3.138, 3.139, 4.131, 10.68, 10.69, 12.201, 12.202, 12.204, 12.206, 12.207, 12.208, 12.209, 12.210, 12.211, 12.212, 12.213, 12.214, 12.215, 12.216, 12.217, 12.219, 12.221, 12.222, 12.227, 12.228, 12.229, 12.231, 12.232, 12.237, 12.238, 12.240, 12.241, 14.224b, 14.224c, 14.225, 18.405, 18.433, 22.2
Jarmila Sládečková, Ing.	1.129, 1.130, 1.132, 1.253, 1.254, 1.255, 1.259, 1.260, 1.269, 1.271, 1.273, 1.311, 1.336, 2.22, 2.40, 2.42, 2.98, 2.105, 2.110, 2.111, 2.116, 2.117, 2.254, 2.262, 2.266, 2.267, 2.268, 2.277, 2.280, 2.301, 2.303, 2.304, 2.310, 5.256, 5.257, 5.258, 5.259, 5.272
Zuzana Tóthová, Ing.	1.259, 1.269, 1.274, 1.275, 1.276, 1.278, 1.311, 2.268, 2.301, 2.303, 2.304, 2.310
Adriana Ivičičová, RNDr.	1.129, 1.130, 1.132, 2.22, 2.40, 2.42, 2.98, 2.105, 2.110, 2.111, 2.277
Lucia Martinkovičová, Ing.	1.309, 1.331, 1.333, 1.334, 1.335, 1.336, 1.338, 1.339, 1.346, 1.347, 1.348, 1.349, 1.351, 1.352, 1.353, 8.480, 19.343
Jarmila Budajová, Ing.	2.254, 2.266, 3.120, 3.121, 3.122, 3.123, 3.124, 3.125, 3.127, 3.133, 3.134, 3.135, 3.136, 3.138, 4.131, 8.421, 8.423, 8.430, 8.431, 8.473, 8.474, 8.481, 8.500, 8.502, 8.506, 8.507, 18.405, 19.438, 19.439, 19.442, 19.443, 19.445, 19.446, 19.450, 19.453, 19.457, 19.467, 20.434, 20.436, 20.449, 20.452a, 20.460a, 20.463, 20.465, 20.466, 20.482, 20.488, 20.496, 20.503, 21.483, 22.2, 23.495, 24.424, 24.429, 24.447b, 24.557, 25.447, 31.553, 33.491, 35.444, 36.478, 36.505, 37.455, 37.477, 38.435, 39.461, 40.459, 40.460, 42.428, 45.235
Peter Bobuš, Ing.	1.129, 1.261, 1.331, 1.333, 1.334, 1.335, 1.338, 1.347, 1.348, 1.349, 2.22, 2.254, 2.268, 2.301, 2.303, 5.256, 5.257, 5.258, 5.259, 5.272, 8.480, 8.506, 19.438, 19.439, 19.453, 19.457, 20.465, 25.447, 35.444, 36.505, 37.477
Peter Bolgáč, MVDr.	47.3, 47.4



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Explanatory notes:

AAS	Atomic Absorption Spectrometry
AMA	Automatic Mercury Analyzer
AOAC	Association of Official Analytical Chemists
ATB	Antibiotic Resistance
BA	Test is performed at Botanická 15, 842 52 Bratislava
CCAT METOD	Cereals and cereal applications testing
CLSI	Clinical Laboratory Standard Institute
CR/EC	Commission regulation (EC) No 440/2003, Determination by isotope mass spectrometry of the $^{13}\text{C}/^{12}\text{C}$ ratio in wine ethanol or ethanol obtained by the fermentation of musts or rectified concentrated musts
DAD	Diode Array Detector
DIN	Deutsches Institut für Normung
ECD	Electron Capture Detector
ELISA	Enzyme-Linked Immunosorbent Assay
ETA-AAS	Electrothermal Atomic Absorption Spectrometry
EURL	European Union Reference Laboratory
F-AAS	Flame Atomic Absorption Spectrometry
FID	Flame Ionization Detector
FLD	Fluorescence Detector
FPD	Flame Photometric Detector
GC	Gas Chromatography
GC/MS	Gas Chromatography-Mass Spectrometry
GC-MS/MS	Gas chromatography with triple quadrupole mass detector
HG-AAS	Hydride Generation Atomic Absorption Spectrometry
HMMNI	Hydroxyronidazole
HPGe	High-purity germanium detector
HPLC	High-Performance Liquid Chromatography
IC	Conductivity Detector
ID	Immunodiffusion Method
LC/MS/MS	Liquid Chromatography-Tandem Mass Spectrometry
MS	Mass Spectrometry Detector
n.a	Not applicable
N/I	Opinions and Interpretations
NK	Commission Regulation
OES	Optical Emission Spectrometry
WOAH manual	Manual of Diagnostic Tests and Vaccines for Terrestrial Animals
OIV	International organisation of vine and wine
PCR	Polymerase Chain Reaction
RA	Test is performed at the Reference Laboratory for Environmental Radioactivity, Slovak University of Agriculture, Tr. A. Hlinku 2, 949 76 Nitra
RID	Refractometric Detector
ŠPP	Standard Operating Procedure
UV	UV Detector
UV-VIS	Ultraviolet and Visible Spectroscopy
VLM	Veterinary Laboratory Methods
VÚP	Research Institute of Food Industry
WOAH	The World Organisation for Animal Health



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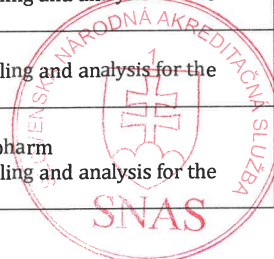
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Note1

Item	Detailed information on activities in the scope of accreditation (source literature)
1.129	- Confirmatory Method for the Determination of β-Agonists in Liver with HPLC-MS/MS, BETA_013, Version of 2 December 2019, BVL Berlin - Confirmatory Method for the Determination of β-Agonists in urine with HPLC-MS/MS, BETA_013, Version of 31.08.2016, BVL Berlin - RIDASCREEN® Clenbuterol/Clenbuterol Fast (Milk: Method B Solid Phase Extraction) - RIDASCREEN® Clenbuterol/Feed, Rapid xtraction without chromatographic clean-up - Determination of beta-agonists in hair using screen dau cartridges. Short description, training course, BETA_017
1.130	Kidney fat - Determination and confirmation of gestagens - LC-MS/MS, metóda EURL for residues of growth promoting compounds, Wageningen, NL
1.132	Muscle, poultry liver, water and fish - the quantification and confirmation of a selection of growth promoters - LC-MS/MS, 8-sep-2020, metóda EURL for residues of growth promoting compounds, Wageningen, NL
1.253	- CVU Berlin: Confirmatory method for the determination of acid NSAIDs in muscle, liver and kidney with LC-MS/MS. Version No.1 of April 2005 - CVU Berlin: Screening and confirmatory method for the determination of acid NSAIDs in milk with HPLC-DAD. Version No.3 of February 2002 - CVU Berlin: Screening and confirmatory method for the determination of acid NSAIDs in plasma with HPLC-DAD. Version No.3 of April 2001 - EU Reference Laboratory for Residues of Veterinary Drugs, Berlin: Multi-screening in muscle and liver Working description, 12.4.2012 - P. Jedziniak a kol.: Determination of non-steroidal anti-inflammatory drugs and their metabolites in milk by liquid chromatography-tandem mass spectrometry, Anal Bioanal Chem (2012) 403:2955-2963 DOI 10.1007/s00216-012-5860-7 - EU Reference Laboratory for Residues of Veterinary Drugs, Berlin: NSAIDs in milk - Workshop 2016
1.254	CVU Berlin: Confirmatory method for the determination of nitroimidazoles in muscle and plasma with LC-MS/MS
1.259	- Journal of Analytical Toxicology Advance Access: A Validated LC-MS-MS Method for Simultaneous Identification and Quantitation of Rodenticides in Blood, 16.1.2015 - Determination of bromadiolone and brodifacoum in human blood using LC-ESI/MS/MS and its application in four superwarfarin poisoning cases, www.elsevier.com/locate/forsciint, 19.8.2012 - A validated LC/MS/MS solution for the analysis of pesticides and other chemicals in apples, Agilent Technologies 2014
1.260	HPLC in Food Analysis, R. Macrae, 1988 - IDF 147 B:1998
1.271	Internal method BfR - PV- 5ZFC-002-01- Nachweis von Cumarin in Zimtproben mit HPLC-UV und GC/MS
1.273	- Macrae R: HPLC in Food Analysis, r.1988 - Potravinárske aditívne látky, Príručka metód špecifikácie identity a čistoty medzinárodné odporúčaných a iných metód hodnotenia v potravinárskych výrobkoch, VÚP Bratislava, r.1995 - Jolana Karovičová and Peter Šimko: Preservatives and Antioxidants (596-620) in Food Analysis by HPLC, edited by Leo M.L. Nollet, Marcel Dekker, Inc 2000
1.274	K. Banerjee, D.P. Oulbar, P.G.Adsule, prednáška "Development and validation of a novel residue analysis method for glyphosate and AMPA in plant matrices by LC-MS/MS", EPRW 12, Viedeň
1.275	- EURL-SRM Stuttgart: Quick method for the analysis of highly polar pesticides in Foods involving extraction with acidified methanol and LC or ICMS/MS measurement, I Food of plant origin - aktuálna verzia; - EURL-SRM Stuttgart: Quick method for the analysis of highly polar pesticides in Foods involving extraction with acidified methanol and LC-MS/MS measurement, II. Food of animal origin - aktuálna verzia
1.276	- BASF Doc ID 2007/1017102 Validation Report Identification - LAARL, Independent Laboratory Validation for the Determination of Dithianon Residues in Wheat, Sunflower, Lettuce, Green-Apple and Hop
1.278	Journal of AOAC International, No. 6, 2010 - Kaushik Banerjee a kol. - A Fast, Inexpensive and Safe Method for Residue Analysis of Meptyldinocap in Different Fruits by Liquid Chromatography/Tandem Mass Spectrometry
1.309	- STN EN 14177 - Commission Implementing Regulation (EU) 2023/2782 of 14 December 2023 laying down the methods of sampling and analysis for the control of the levels of mycotoxins in food and repealing Regulation (EC) No 401/2006)
1.311	- STN EN 15662, Potraviný rastlinného pôvodu. Stanovenie rezíduí pesticídov metódou GC- MS a/alebo LC MS/MS po predchádzajúcej extrakcii acetonitrilom, fázovom delení a prečistení metódou D-SPE-QuEChERS, 2018 - EURL-SRM Analysis of Acidic Pesticides Entailing Conjugates and/or Esters in their Residue Definitions, Stuttgart, 2020 (STN EN 15662) - Analysis of Phenoxyalkanoic Acids in Milk using QuEChERS method and LC-MS/MS, EURL Fellbach, 5.5.2014 - Analysis of Acidic Pesticides using QuEChERS (EN 15662) and acidified QuEChERS method, EURL-SRM, 20.5.2015
1.331	- STN EN ISO 16050, STN EN ISO 14123, ISO/FDIS 17375 - AFLAPREP: Immunoaffinity columns for use in conjunction with HPLC or LC-MS/MS, R-Biopharm - Instruction manual KOBRA CEL, R-Biopharm - Commission Implementing Regulation (EU) 2023/2782 of 14 December 2023 laying down the methods of sampling and analysis for the control of the levels of mycotoxins in food and repealing Regulation (EC) No 401/2006)
1.333	- STN EN 14132, STN EN 14133, STN EN ISO 16007 - OCHRAPREP: Immunoaffinity columns for use in conjunction with HPLC or LC-MS/MS, R-Biopharm - Application note for analysis of ochratoxin A in soluble, filtered and roasted coffee using sodium bicarbonate extraction and OCHRAPREP, R-Biopharm - Commission Implementing Regulation (EU) 2023/2782 of 14 December 2023 laying down the methods of sampling and analysis for the control of the levels of mycotoxins in food and repealing Regulation (EC) No 401/2006)
1.334	- DONPREP: Immunoaffinity columns for use in conjunction with HPLC or LC-MS/MS, R-Biopharm - Commission Implementing Regulation (EU) 2023/2782 of 14 December 2023 laying down the methods of sampling and analysis for the control of the levels of mycotoxins in food and repealing Regulation (EC) No 401/2006)
1.335	- ISO 17372:2008 - EASI-EXTRACT ZEARALENONE: Immunoaffinity columns for use in conjunction with HPLC or LC-MS/MS, R-Biopharm - Commission Implementing Regulation (EU) 2023/2782 of 14 December 2023 laying down the methods of sampling and analysis for the control of the levels of mycotoxins in food and repealing Regulation (EC) No 401/2006)

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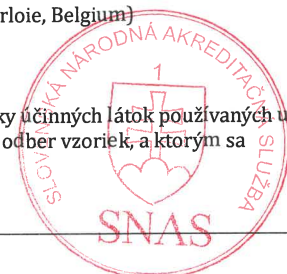
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Item	Detailed information on activities in the scope of accreditation (source literature)
1.336	- ŠPP 811 - STN EN 12856, STN EN 12857, STN EN 12148, STN P CEN/TS 15606 - ŠPP 812 - Macherey Nagel, Application-No.: 125622, Separation of steviol glycosides on Nucleodur C18 Gravity - ŠPP 832 - The Determination of Sucralose in Flavored Waters using CORTECS 2,7um C₁₈ Chemistry and Refractive Index Detection, Euan Ross, Waters Corporation, Milford, MA, USA, april 2016
1.338	- ŠPP 671 - STN EN 12014-2, STN EN 10304-1, STN 57 0158 - Application note Sykam GmbH IC Anion Exchange Column A07, 150 mm x 2,6 mm, 10 µm, PEEK - Application note Thermo Scientific
1.339	- ŠPP 886 - HPLC Application NOTE 96 Merck, HPLC determination of benzoic and sorbic acids in derived fruit products - Davídek, J. and coll. Laboratory guide to food analysis, Prague, 1981) ŠPP 852 - Application note Azchrom, separation of organic acids
1.346	- Szokolay, A. Malkus, Z.: Hygienic issues of dyes used in the food industry, Prague, 1966 - Davídek, J. and coll. Laboratory guide to food analysis, Prague, 1981 - J. Kischbaum, C. Krause, S. Pfalzgraf, H. Brückner.: Development and Evaluation of an HPLC-DAD Method for Determination of Synthetic Food Colorants - Merino et al.: Journal of AOAC International Vol. 80, No.5, 1997.: Development and validation of a qualitative method for determination of carmine (E120) in foodstuffs by liquid chromatography
1.347	- Method from the Food Research Institute: Determination of fumonisins FB1 and FB2 in a solid matrix by the HPLC method - STN EN 16006 - FUMONIPREP: Immunoaffinity columns for use in conjunction with HPLC or LC-MS/MS, R-Biopharm - Commission Implementing Regulation (EU) 2023/2782 of 14 December 2023 laying down the methods of sampling and analysis for the control of the levels of mycotoxins in food and repealing Regulation (EC) No 401/2006)
1.348	- STN EN ISO 14501 - AFLAPREP M: Immunoaffinity columns for use in conjunction with HPLC or LC-MS/MS, R-Biopharm - Food Additives and Contaminants, February 2006, Distribution and stability of Aflatoxin M1 during processing and ripening of traditional white pickled cheese, H. H. Oruc, R. Cibik, E. Yilmaz, O. Kalkanli - Commission Implementing Regulation (EU) 2023/2782 of 14 December 2023 laying down the methods of sampling and analysis for the control of the levels of mycotoxins in food and repealing Regulation (EC) No 401/2006)
1.349	- EASI- EXTRACT T-2 and HT-2: Immunoaffinity columns for use in conjunction with HPLC or LC-MS/MS, R-Biopharm - Application note R-Biopharm EASI-EXTRACT T2 a HT-2 for animal feed and oats - Commission Implementing Regulation (EU) 2023/2782 of 14 December 2023 laying down the methods of sampling and analysis for the control of the levels of mycotoxins in food and repealing Regulation (EC) No 401/2006)
1.351	- J. Davídek, J. and coll. Laboratory guide to food analysis, Prague, 1981 - MN Appl. No. 118580 Determination of quinine in cinchona bark
1.352	- Jaromír Zrůst, Glycoalkaloids in potatoes and other commodities, Crop Research Institute, Prague, 31.1.2004)
1.353	- Isolation and Quantitation of Amygdalin in Apricot-kernel and Prunus Tomentosa Thunb. by HPLC with Solid-Phase Extraction, Wei-Feng Lv, Ming-Yu Ding, and Rui Zheng, Journal of Chromatographic Science, Vol. 43, August 2005 - Solid-to-liquid extraction and HPLC/UV determination of amygdalin in seeds of apple (Malus pumila Mill): Comparison between traditional-solvent and microwave methodologies, Juan C. Amaya-Salcedo, Oswaldo E. Cárdenas-González, Jovanny A. Gómez-Castaño, http://dx.doi.org/10.15446/acag.v67n3.67186 - Nazan Karsavuran, Mohammad Charehsaz, Hayati Celik, Bayram Murat Asma, Cengiz Yakmci and Ahmet Aydm, Amygdalin in bitter and sweet seeds of apricots. Toxicological and Environmental Chemistry, 2015 http://dx.doi.org/10.1080/02772248.2015.1030667 - Commission Implementing Regulation (EU) 2023/2782 of 14 December 2023 laying down the methods of sampling and analysis for the control of the levels of mycotoxins in food and repealing Regulation (EC) No 401/2006
2.22	- Interim GC-MS method for screening and confirmation of melamine and related analogs (Adapted from Forensic Chemistry Center SOP T015) April 25, 2007 - Návod na prípravu vzorky: SPE Method for Standard LC and LC/MS/MS, Agilent Technologies
2.40	- Metóda Cy1.1., Cy 1.2., Veterinary Drug Residues (residues in food producing animals and their products – Reference materials and methods), Second Edition, CEC, Brussels – Luxembourg, 1994 - Vykonávacie nariadenie komisie (EÚ) 2021/808 o vykonávaní analytických metód pre rezíduá farmakologicky účinných látok používaných u zvierat určených na výrobu potravín a o interpretácii výsledkov, ako aj o metódach, ktoré sa majú používať na odber vzoriek, a ktorým sa zrušujú rozhodnutia 2002/657/ES a 98/179/ES.
2.42	- Metóda Cy1.1., Cy 1.2., Veterinary Drug Residues (residues in food producing animals and their products – Reference materials and methods), Second Edition, CEC, Brussels – Luxembourg, 1994 - Vykonávacie nariadenie komisie (EÚ) 2021/808 o vykonávaní analytických metód pre rezíduá farmakologicky účinných látok používaných u zvierat určených na výrobu potravín a o interpretácii výsledkov, ako aj o metódach, ktoré sa majú používať na odber vzoriek, a ktorým sa zrušujú rozhodnutia 2002/657/ES a 98/179/ES.
2.105	- Metóda Cy1.1., Cy 1.2., Cy1.5., Veterinary Drug Residues (residues in food producing animals and their products - Reference materials and methods), Second Edition, CEC, Brussels – Luxembourg, 1994 - Manuál ku IAC kolóne: Zeranól, Immunoaffinity chromatography gel, C.E.R. Laboratoire D'Hormonologie, Marloie, Belgium) - Instructions for Using Discovery Solid Phase Extraction Tubes, Supelco Bellefonte, PA - Immunoaffinity column of Zeranols (IAC-ZER) - Instruction Manual (C/N: IAC311) Clover - Vykonávacie nariadenie komisie (EÚ) 2021/808 o vykonávaní analytických metód pre rezíduá farmakologicky účinných látok používaných u zvierat určených na výrobu potravín a o interpretácii výsledkov, ako aj o metódach, ktoré sa majú používať na odber vzoriek, a ktorým sa zrušujú rozhodnutia 2002/657/ES a 98/179/ES.



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Item	Detailed information on activities in the scope of accreditation (source literature)
2.110	- Bovine and porcine urine, meat, fish and liver - the analysis of large number of hormones GC-MS/MS. SOP-A-1160 Version 2. EURL metóda Rikilt, Wageningen, NL - Vykonávacie nariadenie Komisie (EÚ) 2021/808 o vykonávaní analytických metód pre rezíduá farmakologicky účinných látok používaných u zvierat určených na výrobu potravín a o interpretácii výsledkov, ako aj o metódach, ktoré sa majú používať na odber vzoriek, a ktorým sa zrušujú rozhodnutia 2002/657/ES a 98/179/ES
2.111	- Bovine and porcine urine, meat, fish and liver - the analysis of large number of hormones GC-MS/MS. SOP-A-1160 Version 2. EURL metóda Rikilt, Wageningen, NL - Vykonávacie nariadenie Komisie (EÚ) 2021/808 o vykonávaní analytických metód pre rezíduá farmakologicky účinných látok používaných u zvierat určených na výrobu potravín a o interpretácii výsledkov, ako aj o metódach, ktoré sa majú používať na odber vzoriek, a ktorým sa zrušujú rozhodnutia 2002/657/ES a 98/179/ES
2.254	AOAC 16th Edition, 1996, STN EN 1528-1,2,3,4, STN EN 15741, STN EN 15742, STN EN 12 393-1,2,3
2.268	AOAC 16th Edition, 1996, STN EN 1528-1,2,3,4, STN EN 15741, STN EN 15742, STN EN 12 393-1,2,3, M. Anastassiades, S. Lehotay, Journal of AOAC International, Vol. 86, No.2, 2003
2.277	- Bovine and porcine urine, meat, fish and liver - the analysis of large number of hormones GC-MS/MS. SOP-A-1160. Version 2. EURL metóda, RIKILT, Wageningen, NL - Vykonávacie nariadenie Komisie (EÚ) 2021/808 o vykonávaní analytických metód pre rezíduá farmakologicky účinných látok používaných u zvierat určených na výrobu potravín a o interpretácii výsledkov, ako aj o metódach, ktoré sa majú používať na odber vzoriek, a ktorým sa zrušujú rozhodnutia 2002/657/ES a 98/179/ES
2.301	- NMKL method No.195, 2013 - Pesticide residues. Analysis in Foods with ethylacetate extraction using gas and liquid chromatography with tandem mass spectrometric determination - EURL-SRM-Analytical Observation Report, Quantification of Residues of Folpet and Captan in Quechers extracts, version 3.1., update 6.4.2017
2.303	- STN EN 15662 - M. Anastassiades, S. Lehotay, Journal of AOAC International, Vol. 86, No.2, 2003
2.304	- STN EN 12396-2 - Andre de Kok, Peter van Bodegraven: Validation of the dithiocarbamate method based on iso-octane GC-ECD analysis, poster na 4th European Pesticide Residues Workshop
4.130	- Identification of Trichinella Muscle Stage Larvae at the species level by Multiplex PCR, European Union Reference Laboratory for Parasites (Istituto Superiore di Sanita).
5.256	- STN 56 0065 - VLM: Stanovenie cudzorodých látok - chemických prvkov (VII.b), Bratislava, 1990 - Analytical Methods for GTA, Varian Australia, 1988
5.257	- STN 56 0065 - VLM: Stanovenie cudzorodých látok - chemických prvkov (VII.b), Bratislava, 1990 - Analytical Methods for Flame Spectroscopy, Varian Australia, 1989
5.258	- STN 56 0065 - Analytical Method for Flame Spectroscopy, Varian, Australia 1989
5.272	- STN 56 0065 - VLM: Stanovenie cudzorodých látok - chemických prvkov (VII.b), Bratislava, 1990 - Analytical Methods for Flame Spectroscopy, Varian Australia, 1989
9.70	- STN EN ISO 23036-2 - Microbiology of the food chain - Methods for the detection of Anisakidae L3 larvae in fish and fishery products. Part 2 - Artificial digestion method (ISO 23036-2:2021) - EURLP Standard operating procedure - Artificial digestion of fish fillets for the isolation of Anisakidae and Opisthorchidae larval stages
12.152	- ISO/TR 6579-3 - WOAHA Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, 2023 - White - Kauffmann-Le Minor scheme : Antigenic formulae of the SALMONELLA Serovars, 2007
12.155	- WOAHA Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, 2023 - Bergey's Manual of Systematic Bacteriology, 1984 - STN EN ISO 10272-1
12.156	- Bergey's Manual of Systematic Bacteriology, 1984 - STN EN ISO 7937
12.163	Bergey's Manual of Systematic Bacteriology, 1984
12.167	WOAHA Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, 2023
12.168	Bergey's Manual of Systematic Bacteriology, 1984
12.169	Bergey's Manual of Systematic Bacteriology, 1984
12.170	Clinical and Laboratory Standards Institute (CLSI) M100, 30th ed., 2020
14.30	- Clinical and Laboratory Standards Institute - Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria that Grow Aerobically, 11th Edition. CLSI document M07- A11 - Clinical and Laboratory Standards Institute, Wayne, PA, USA. 2018



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Note 2

ŠPP were developed on the basis of the following documents:			
ISO standards	STN standards		
ISO 6658	STN 46 1011-2	STN 56 0512-3	STN 58 0113 čl.27-28
ISO 8589	STN 46 2000-1,2	STN 56 0520 čl.10-16	STN 58 0120 čl.13-14
ISO 3103	STN 46 3000 čl. 34-42	STN 56 1003	STN 58 0170-2
STN EN ISO 4120	STN 46 3052	STN 56 1030	STN 58 0230
ČSN ISO 8587	STN 56 0115 čl. 16-23	STN 56 1175	STN 58 0703
	STN 56 0140 čl. 20	STN 57 0105 čl.17	STN 58 1302 čl.8-14
	STN 56 0176	STN 57 0106	STN 58 1361 čl.6-11
	STN 56 0177 čl. 12-24	STN 57 0107 čl.10	STN 66 0805 čl.10-16
	STN 56 0186-2	STN 57 0116	STN 56 0160
	STN 56 0188 čl. 8-13	STN 57 0133 čl.3.1-3.3	STN 58 0110
	STN 56 0216 čl. 15-21	STN 57 0135 čl.8-9	ON 56 0153
	STN 56 0232 čl. 29-33	STN 57 0530 čl.31-36	STN 57 7602
	STN 56 0240-2	STN 58 0100 čl.2.1-2.4	
	STN 56 0245	STN 58 0101	
	STN 56 0246-3	STN 58 0111 čl.6-7	
	STN 56 0290 čl. 18-22	STN 58 0112-1	
ŠPP also includes standards that have been cancelled without replacement.			

Note 3

Total impurities, harmful impurities and impurities
Method: Gravimetric

Object	Parameter	STN	Description
Food corn	Impurities	STN 46 1100-8	a) grain fragments b) grain impurities (grains of other cereals, grains damaged by pests, grains damaged by heat) c) germinated grains d) other impurities (foreign seeds, damaged grains, foreign matter)
Food grade summer wheat	Impurities	STN 46 1100-2	a) grain fragments b) grain impurities (shrivelled grains, grains of other cereals, grains damaged by pests, grains with discoloured germ, grains damaged by heat) c) germinated grains d) other impurities (foreign seeds, damaged grains, foreign matter, chaff, ergot)
Durum wheat	Impurities	STN 46 1100-3	a) grain fragments b) grain impurities (shrivelled grains, grain of other cereals, grains damaged by pests, grains with discoloured germ, grains damaged by heat) c) germinated grains d) other impurities (foreign seeds, damaged grains, foreign matter, chaff, ergot)
Dry nuts	Impurities	PK SR	a) inorganic impurities (in particular lumps of clay, pebbles and twine) b) organic impurities (in particular grain of wild plants)
	Admixtures	PK SR	a) inherent residues of shells and other parts of fruit b) admixtures of peeled dry nuts are kernel fragments and partially dried kernels



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QUALITY REQUIREMENTS FOR PEELED DRY SHELL FRUITS

Object	STN/ Regulation	Description
Walnut kernels	Regulation No. 132/2014 Z.z	Defects and damage in total and of which admixtures of parts of the shells or impurities of the fruit
		Kernels of a darker colour
		Grinding of kernel halves
Hazelnut kernels	Regulation No. 132/2014 Z.z	Total faults and damage, of which: a) undeveloped, shrivelled, dried, mottled or yellowed kernels b) mechanically damaged kernels and pieces of kernels c) unpeeled fruit, parts of shell or seed husk, dust and foreign particles
		Double kernels
Pistachios	Regulation No. 132/2014 Z.z	Total deviations and damages of which: a) underdeveloped kernels b) shrivelled kernels - of which dark kernels c) broken kernels (peeled kernel halves are not considered broken) d) foreign matter e) kernel halves
		Half cernels
Cashew nuts	Regulation No. 132/2014 Z.z	Deviations and damage together, of which: a) surface-damaged cores b) shrunken, shrivelled or deformed kernels c) kernels with colour corresponding to a lower grade d) kernels with brown or black dots or spots e) kernels with remnants of imbibition
		Impurities
Sweet almond kernels	Regulation No. 132/2014 Z.z	Deviations and damage together, of which: a) kernels with gliosis, brown spots, surface defects or discolouration defects b) bitter kernels c) shrivelled, shrivelled, dried and underdeveloped kernels d) broken kernels, cracked kernels and half kernels e) pieces of kernels f) kernels in shell, parts of shells or seed husks, dust, fruit debris
		Abraded and bruised kernels
		Duplicate kernels (in packages marked 'without duplicate kernels')
Peeled pine nut kernels	Regulation No. 132/2014 Z.z	Deviation and damage together, of which: a) underdeveloped, excessively dried or shrivelled kernels b) kernels showing signs of sprouting c) broken and fragmented kernels, broken or flattened kernels d) kernels with surface defects or traces of seed husk e) dirt, shells, seeds, dust
Macadamia nut kernels	Regulation No. 132/2014 Z.z	Deviations and damage together, of which: a) underdeveloped or shrunken kernels b) dirt, shell, dust
		Kernels of a size other than that declared Kernels of a variety or presentation other than that declared

QUALITY REQUIREMENTS

Object	STN/Regulation	Quality indicator
Rice	Regulation No. 2/2014	a) whole grains (% by weight)
		b) quantity of broken rice grains (% w/w)
		c) number of grains of paddy rice in kg
		d) the quantity of defective rice grains in total, (% by weight)
		e) foreign seeds and damaged seeds (% by weight)
		f) foreign matter (% by weight)
Oat flakes	Regulation No. 2/2014	a) black flakes (% by weight)
		b) husks and paddy grains (% by weight)



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