| Item | Object/ Matrix | Property/ Parameter/ Analyte | Principle/ type | Identification | Device | The other specification |
|---|---|---|---|---|---|---|
| 1 | foodstuffs (1-9, 11-16) rinse water | ALLERGENS: | ELISA (semiquant. test) | ŠPP 3.8.1.3 (diagnostic kit manual) | Reader BioTek Reader SCANLT | |
| | | -peanuts | | | | |
| | | -gluten | | | | |
| | | -mustard | | | | |
| | | -hazelnuts | | | | |
| | | -milk proteins | | | | |
| | | -soybean | | | | |
| | | -whole dried egg | | | | |
| | | -sesame | | | | |
| 2 | foodstuffs (1,2,3,4,9) | VETERINARY DRUGS: | | ŠPP 1.2.36 | DIONEX Ultimate 3000/ABSCIEX QTRAP 5500 I., DIONEX Ultimate 3000/ABSCIEX QTRAP 5500 II., Agilent 1290 Infinity II/Agilent 6495 | |
| | | -sulfaguanidíne | | ŠPP 1.2.67 | | |
| | | -sulfadiazine | | (B.Delepine, D. Hurtaud-Pessel, *Liquid-chromatography /tandem mass-spectrometry, Screening method for identification residues of antibiotics in meat* , AFSSA- Agence Francaise de Securité Sanitaire des Aliments BP 90203-35302 Fougérescedex, France J. Diserens, M. SavoyPerroud, A. BeckHenzelin, Application of liquid chromatography – electrospray ionization tandem massspectrometry to thedetection of 10 sulfonamides in honey, Journal of Chromatography A, 977, 77-87, 2002 Method for the detection of antibiotic residues in muscleusing LC – MS/MS, Fougeres Laboratory, EU-RL Reference Laboratory and National Reference Laboratory: Veterinary drugresidues and dyes in foodstuffs of animalorigin and animalfeed) | | |
| | | -sulfacetamide | | | | |
| | | -sulfatiazole | | | | |
| | | -sulfapyridine | | | | |
| | | -sulfamerazine | | | | |
| | | -sulfadimidine | | | | |
| | | -sulfamethoxy-pyridazine | | | | |
| | | -sulfamonometoxine | | | | |
| | | -sulfachlorpyridazine | | | | |
| | | -sulfadoxine | | | | |
| | | -sulfamethoxazole | | | | |
| | | -sulfisoxazole | | | | |
| | | -sulfadimethoxine | | | | |
| | | -sulfaguinoxaline | | | | |
| | | -sulfametizole | | | | |
| | | -dapsone | | | | |
| | | -trimethoprim | | | | |
| | | -norfloxacine | | ŠPP 1.2.34 ŠPP 1.2.67 (B. Delepine, D. Hurtaud-Pessel, *Liquid-chromatography/tandem mass-spectrometry, Screening method for identification residues of antibiotics in meat* , AFSSA- Agence Francaise de Securité Sanitaire des Aliments BP 90203-35302 Fougérescedex, France Preparation and LC/MS/MS analysis of honey for fluoroquinolones residues, Florida Department of Agriculture and ConsumerServices, CFSAN USA, 2006 Method for thedetection of antibiotic residues in muscleusing LC – MS/MS, FougeresLaboratory, EU-RL Reference Laboratory and National Reference Laboratory: Veterinary drug residues and dyes in foodstuffs of animal origin and animal feed) | | |
| | | -marbofloxacine | | | | |
| | | -ciprofloxacine | | | | |
| | | -danofloxacine | | | | |
| | | -difloxacine | | | | |
| | | -enrofloxacine | | | | |
| | | -sarafloxacine | | | | |
| | | -oxolinic acid | | | | |
| | | -nalidixic acid | | | | |
| | | -flumeqine | | | | |
| | | -enoxacine | | | | |
| | | -ofloxacine | | | | |
| | | -fleroxacine | | | | |
| | | -sparfloxacine | | | | |
| | | -florfenicol amine | | ŠPP 1.2.46 (B. Delepine, Chloramphenicol identification by liquid chromatography tandem mass-spectrometry, AFSSA- Agence Francaise de Securité Sanitaire des Aliments, BP 90203-35302 Fougérescedex, France, 2004) | | |
| | | -florfenicol | | | | |
| | | -thiamfenicol | | | | |
| | foodstuffs (1,2,3,4,9) urine | -chloramphenicol | | ŠPP 1.2.31 (B. Delepine, *Chloramphenicol identification by liquid chromatography tandem mass-spectrometry* , AFSSA- Agence Francaise de Securité Sanitaire des Aliments, BP 90203-35302 Fougérescedex, France, 2004) | | |

| Item | Object/ Matrix | Property/ Parameter/ Analyte | Principle/ type | Identification | Device | The other specification |
|---|---|---|---|---|---|---|
| 2 | foodstuffs (1,2,3,4,9) | -lincomycin | HPLC/MSMS | ŠPP 1.2.35 | DIONEX Ultimate 3000/ABSCIEX QTRAP 5500 I., DIONEX Ultimate 3000/ABSCIEX QTRAP 5500 II., Agilent 1290 Infinity II/Agilent 6495 | |
| | | -spiramycin | | ŠPP 1.2.67 | | |
| | | -tilmicosin | | (B. Delepine, D. Hurtaud-Pessel, *Liquid-chromatography/tandem mass-spectrometry, Screening method for identification residues of antibiotics in meat* , AFSSA- Agence Francaise de Securité Sanitaire des Aliments BP 90203-35302 Fougérescedex, France T.S. Thompson, D.K. Noot, J. Calvert, S.F. Pernal, Determination of lincomycin and tylosin residues in honey using solid-phase extraction and liquid chromatography-atmospheric pressure chemical ionization mass spectrometry, Journal of Chromatography A, 1020 (2003) 241-250 Method for the detection of antibiotic residues in muscleusing LC – MS/MS, Fougeres Laboratory, EU-RL Reference Laboratory and National Reference Laboratory: Veterinary drug residues and dyes in foodstuffs of animal origin and animal feed) | | |
| | | -tylosin | | | | |
| | | -erytromycin | | | | |
| | | -josamycin | | | | |
| | | -tiamulin | | | | |
| | | -valnemulin | | | | |
| | | -gamithromycin | | | | |
| | foodstuffs (2) | -tulathromycin | | ŠPP 1.2.90<br>(Boner et al.: Determination and Confirmation of Tulathromycin Residues in BovineLiver and Porcine Kidney via Their Common Hydrolytic Fragment UsingHigh-Performance Liquid Chromatography/Tandem Mass Spectrometry. Journal Of AOAC International Vol 94, No.2, 2011) | | |
| | foodstuffs (1,2,3,4,9) | -cephapirin | | ŠPP 1.2.39<br>ŠPP 1.2.67<br>(B. Delepine, D. Hurtaud-Pessel, *Liquid-chromatography/tandem mass-spectrometry, Screening method for identification residues of antibiotics in meat* , AFSSA- AgenceFrancaise de Securité Sanitaire des Aliments BP 90203-35302 Fougérescedex, France T.S. Thompson, Y.Zhou, D.Lavorato, T.Mathews, S.Countryman, Rapid LC/LC/MS Analysis of Antibiotics in Meat for Human Consumption Using Kinetex 2,6um Core-Shell LC Column, Aplikačný list Phenomenex Method for the detection of antibiotic residues in muscle using LC – MS/MS, FougeresLaboratory, EU-RL Reference Laboratory and National Reference Laboratory: Veterinary drug residues and dyes in foodstuffs of animal origin and animal feed) | | |
| | | -amoxicillin | | | | |
| | | -ampicillin | | | | |
| | | -cefazollin | | | | |
| | | -cefoperazone | | | | |
| | | -benzylpenicillin | | | | |
| | | -penicillin V | | | | |
| | | -oxacillin | | | | |
| | | -kloxacillin | | | | |
| | | -dikloxacillin | | | | |
| | | -nafcillin | | | | |
| | | -ceftiofur | | | | |
| | | -cefalexin | | | | |
| | | -cefquinome | | | | |
| | | -cefacetrile | | | | |
| | | -cefalonium | | | | |
| | | -oxytetracycline | | ŠPP 1.2.37<br>ŠPP 1.2.67<br>(B. Delepine, D. Hurtaud-Pessel, *Liquid-chromatography/tandem mass-spectrometry, Screening method for identification residues of antibiotics in meat* , AFSSA- AgenceFrancaise de SecuritéSanitaire des Aliments BP 90203-35302 Fougérescedex, France Method for the detection of antibiotic residues in muscle using LC – MS/MS, Fougeres Laboratory, EU-RL Reference Laboratory and National Reference Laboratory: Veterinary drug residues and dyes in foodstuffs of animal origin and animalfeed) | | |
| | | -tetracycline | | | | |
| | | -chlortetracycline | | | | |
| | | -doxycycline | | | | |
| | | -spektinomycin | | ŠPP 1.2.40<br>(B. Delepine, D. Hurtaud-Pessel, Liquid-chromatography /tandem mass-spectrometry, Screening method for identification residues of antibiotics in meat, AFSSA- Agence Francaise de Securité Sanitaire des Aliments BP 90203-35302 Fougérescedex, France Method for the Confirmation of aminoglycosides by HPLC – MS/MS, United States Department of Agriculture Food Safety and Inspection Service, Office of Public Health and Science 2003 Bohm, D. A.; Stachel, C. S.; Gowik, P.: Confirmatory Method for Determination of Streptomycin in Apples by LC-MS/MS. Poster in 4 th International SymposiumRecentAdvances in FoodAnalysis Fügel, D., Anastassiades, M., Scherbaum, E.: Analysis of Kasugamycin in Fruit and VegetablesUsingIon Exchange SPE and LC-MS/MS. EPRW 2006) | | |
| | | -streptomycin | | | | |
| | | -dihydrostreptomycin | | | | |
| | | -paromomycin | | | | |
| | | -apramycin | | | | |
| | | -gentamycin | | | | |
| | | -neomycin | | | | |
| | | -kanamycin | | | | |

| Item | Object/ Matrix | Property/ Parameter/ Analyte | Principle/ type | Identification | Device | The other specification |
|---|---|---|---|---|---|---|
| 2 | foodstuffs (1,2,3,4,9) | -5-methylmorpholino- 3-amino 2-oxalidinone (AMOZ) | HPLC/ MSMS | ŠPP 1.2.38<br>(Methodforthedetection and confirmatoryquantification of fivenitrofuran metabolite residues in biologicalmatricesusing LC-MS/MS, Analyticalmethodforfoodsafety, EuropeanUnion and National ReferenceLaboratory ANSES Fougeres) | DIONEX Ultimate 3000/ABSCIEX QTRAP 5500 I., DIONEX Ultimate 3000/ABSCIEX QTRAP 5500 II., Agilent 1290 Infinity II/Agilent 6495 | |
| | | -3-amino-2-oxalidinone (AOZ) | | | | |
| | | -1-amino-hydantoin (AHD) | | | | |
| | | -semicarbazide (SEM) | | | | |
| | | -3,5 – dinitrosalicylicacidhydra- zide (DNSAH) | | | | |
| | foodstuffs (3) | DYES: | | ŠPP 1.2.28<br>(P. Sanders, B. Delépine, B. Roudaut, *Malachite green and leucomalachitegreenresidues in fishflesh by liquidchromatography tandem massspectrometry (LC/MS/MS)* - validation a confirmatorymethod, AFSSA, 2005 JonathanA.Tarabin, Karen A. Barnes, John Bygrave, W.H.H. Farrington, Screening and confirmation of triphenylmethanedyes and theirleucometabolites in troutmuscleusing HPLC-vis and ESP-LC-MS, Analyst, 1998, 123, 2567-2571) | | |
| | | -malachite green | | | | |
| | | -leucomalachite green | | | | |
| | | -brilliant green | | | | |
| | | -crystal violet | | | | |
| | | -leucocrystal violet | | | | |
| 4 | foodstuffs (5,11,12,17) | ADDITIVES: | | ŠPP 1.2.42<br>(F. Tateo, M. Bononi, *Fast determination of Sudan I by HPLC/APCI-MS in hot chilli, spices, and oven-baked foods* , Journal of Agricultural and Food Chemistry 2004, 52, 655-658, Method 145A Collaborative trial 145 of a method for the detection and determination of Sudan I in chilliproducts by HPLC, F. Calbiani, M. Careri, L. Elviri, A. Mangia, L. Pistara, I. Zagnoni, Development and in-house validation of a liquid chromatography-electrospray-tandem mass spectrometry method for the simultaneous determination of Sudan I, Sudan II, Sudan III and Sudan IV on hot chilliproducts, Journal of Chromatography A 2004, 1042, 123-130) | DIONEX Ultimate 3000/ABSCIEX QTRAP 5500 I., DIONEX Ultimate 3000/ABSCIEX QTRAP 5500 II. | |
| | | -para red | | | | |
| | | -sudan I | | | | |
| | | -sudan II | | | | |
| | | -sudan III | | | | |
| | | -sudan IV | | | | |
| | | -red 2G | | | | |
| | | -allura red AC | | | | |
| | foodstuffs (1,3,6,11,12,13, 14,15,16,17) | -cyclamic acid | | ŠPP 1.2.85<br>(A. Wasik, M. Buchgraber, *Foodstuffs – Simultaneous determination of nine sweeteners by high performance liquid chromatography and evaporative lightscatteringdetection* , European Commision, Institute for Reference Materials and Measurements, Geel, Belgium, 2007, ISBN 978-92-79-05356-6, Nariadenie Európskej Únie EC 657/2002, Nariadenie vlády SR č. 320/2003 Z. z.) | | |
| | | -sucralose | | | | |
| 5 | foodstuffs (1) | -natamycin | | ŠPP 1.2.80<br>(International Standard ISO 9233-2 (IDF 140-2): *Cheese, cheeserind and processed cheese –Determination of natamycin content, Part 2* : High-performance liquid chromatographic method for cheese, cheeserind and processed cheese, Louis G. M. TH.Tuinstra; Wim A. Traag: Liquid Chromatographic Determination of Natamycin in Cheese at Residue Levels. Journal Assoc. Off. Anal. Chem. Vol. 65, No 4, 1982., K. Rybinska, J. Postupolski, M. Szczesna: Determination of Natamycin Residues in Ripening Cheeses by High-Performance Liquid Chromatography. Roczn.Pzh, 1997, 48, Nr. 2) | Waters Acquity /BRUKER MicroTOF II | |
| | foodstuffs (9,15) | -E150d | | ŠPP 1.2.78<br>(Application note Waters: *Gradient separation of aminoacids on Acquity UPLC BEH HILIC* , 2009, EFSA Journal 20011; 9(3): 2004: Scientificopinion on the re-evaluation of caramelcolours(E 150 a,b,c,d) as foodadditives - EFSA Panel on FoodAdditives and Nutrient sourcesadded to Food (ANS) – EuropeanFoodSafetyAuthority (EFSA), Parma, Italy 103p., Nariadenie Európskej Únie EC 657/2002, Nariadenie vlády SR č. 320/2003 Z. z. | DIONEX Ultimate 3000/ABSCIEX QTRAP 5500 I., DIONEX Ultimate 3000/ABSCIEX QTRAP 5500 II. | |
| | foodstuffs (6,7,12) | -atropine | | ŠPP 1.2.94<br>EURL MP method 002 version 3: Determination of pyrrolizidine alkaloids in plant-based food and feed materials, including herbal teas, herbal food supplements, fodder and feedstuffs by LC-MS/MS. Wageningen University and Research, 2019. | DIONEX Ultimate 3000/ABSCIEX QTRAP 5500 I., DIONEX Ultimate 3000/ABSCIEX QTRAP 5500 II., Agilent 1290 Infinity II/Agilent 6495 | |
| | | -scopolamine | | | | |
| | | -sum of atropine a scopolamine | | | | |

| Item | Object/ Matrix | Property/ Parameter/ Analyte | Principle/ type | Identification | Device | The other specification |
|---|---|---|---|---|---|---|
| 6 | foodstuffs (1-17) | ADDITIVES SWEETENERS: | | ŠPP 1.2.93<br>(AtsukoTada, KyokoIshizuki, Improvement of the Assay Method for Steviol Glycosides in the JECFA Specifications, American Journal of Analytical Chemistry, 2013, 4, 190-196, F. Aguilar and coll.: ScientificOpinion on the safety steviolglycosides for the proposedusus as a food additives, Efsa Panel an Food Additives and Nutrient Sources added to Food (ANS), Efsa Journal 2010,8 (4) :1537, 8-9, ECFA 61st (2003), published in FNP 52 Add 11 (2003) p.53) | HPLC Agilent 1100/ DAD<br>HPLC Agilent 1200/ DAD<br>HPLC Agilent 1260/ DAD and FLD | |
| | | -advantame | | | | |
| | | -neotame | | | | |
| | | -rebaudioside A | | | | |
| | | -stevioside | | | | |
| | | -steviol glycosides | | | | |
| | | -neohesperidin DC | | ŠPP 1.2.29<br>AOAC OfficialMethod 2005, 18thEdition, AOAC Official Method 999.05: Naringin and neohesperidin in orangejuice, Chapter 37, p. 30-31 Leo M. L. Nollet, Food Analysis by HPLC, 2nd Edition 1992, p. 541-542 R. Macrae, HPLC in foodanalysis, 2nd Edition 1988, p. 207-208) | | |
| | | -cyclamic acid | | (Leo M. L. Nollet, FoodAnalysis by HPLC, 2nd Edition 1992, p. 530-532, R. Macrae, HPLC in foodanalysis, 2nd Edition 1988, p. 207) | | |
| 6 | foodstuffs (1-17) | -acesulfame K | HPLC DAD | ŠPP 1.2.2<br>Leo M. L. Nollet, FoodAnalysis by HPLC, 2nd Edition 1992, p. 523-547, 575-598, STN EN 1378 Požívatiny Stanovenie množstva aspartámu v stolových sladidlách Metóda vysokoúčinnej kvapalinovej chromatografie, December 2001, R. Macrae, HPLC in foodanalysis, 2nd Edition 1988, p. 197-208, 238-246) | HPLC Agilent 1100/ DAD<br>HPLC Agilent 1200/ DAD<br>HPLC Agilent 1260/ DAD and FLD | |
| | | -saccharin | | | | |
| | | -aspartame | | | | |
| | | PRESERVATIVES: | | | | |
| | | -benzoic acid | | | | |
| | | -sorbic acid | | | | |
| | | -para-hydroxy benzoic acid | | | | |
| | | -methyl-p-hydroxybenzoate | | | | |
| | | -ethyl-p-hydroxybenzoate | | | | |
| | | -propyl-p-hydroxybenzoate | | | | |
| | | -sum benzoic acid + sorbic acid | | | | |
| | | -sum benzoic acid +sorbic acid + para-hydroxy-benzoates | | | | |
| | | OTHER ADDITIVES: | | | | |
| | | -caffeine | | | | |
| | | DYES: | | ŠPP 1.2.7<br>(Leo M. L. Nollet, FoodAnalysis by HPLC, 2nd Edition 1992, p. 548-564, R. Macrae, HPLC in food analysis, 2nd Edition 1988, p. 259-273, J. Kirschbaum, C. Krause, S. Pfalzgraf, H. Bruckner, Development and evalution of an HPLC/DAD method for determination of Synthetic food colorants, Chromatographia, 2003) | | |
| | | -tartrazine | | | | |
| | | -amaranth | | | | |
| | | -ponceau 4R | | | | |
| | | -quinoline yellow | | | | |
| | | -sunset yellow | | | | |
| | | -allura red | | | | |
| | | -red 2G | | | | |
| | | -azorubin | | | | |
| | | -erythrosine | | | | |
| | | -briliant blue FCF | | | | |
| | | -patent blue | | | | |
| | | -indigo carmine | | | | |
| | | -green S | | | | |
| | | -briliant black | | | | |
| | | -sum of allowed synthetic dyes | | | | |
| | | -synthetic dyes | | | | |
| | | -sum of dyes | | | | |

| Item | Object/ Matrix | Property/ Parameter/ Analyte | Principle/ type | Identification | Device | The other specification |
|---|---|---|---|---|---|---|
| 7 | medicated feedstuffs, premixes | VETERINARY DRUGS: | | | HPLC Agilent 1100/ DAD HPLC Agilent 1200/ DAD HPLC Agilent 1260/ DAD and FLD | |
| | | -sulfonamides | | ŠPP 1.2.10 (K.E. Maudens, W.E.Lambert, Ghent University, Laboratory of Toxicology - poster, H.W.M. Bisschop Euroresidues IV, Veldhoven, 2000, 220-225, AOAC OFFICIAL METHODS, 17th EDITION, AOAC Official Method 993.32 – Multiple Sulfonamide Residues in Raw BovineMilk, W.J. Pietron, W. Cybulski, D. Krasucka, A. Mitura, K. Kos, M. Antczak, Determination of five sulfonamides in medicated feedingstuffs by liquid chromatography with ultraviolet detection, BullVetInstPulawy 57, 545-552, 2013) | | |
| | | -tylosin | | ŠPP 1.2.51 (WayneChan et Al.: Journal of AOAC International vol. 77, No.2, 1994) | | |
| | | -chlortetracycline | | ŠPP 1.2.32 (Jozef Sokol, Eva Matisová , Journal of Chromatography A 669 (1994) 75-80, Ridascreen - Tetracyclin , R-BiopharmGmbH, Darmstadt, NSR, AOAC METHODS 17th Edition, No. 998.09 23.1.17 – AOAC OfficialMethod 995.09 Chlortetracycline, Oxytetracycline and Tetracycline in Edible Animal Tissues, CroubelsS.,VanPeteghem C., Sensitive spectrofluorimetric detection of tetracycline residues in bovine milk, Analyst, 1994,119,2713-2716) | | |
| | | -doxycycline | | | | |
| | | -oxytetracycline | | | | |
| | | -tetracycline | | | | |
| | | -tiamulin | | ŠPP 1.2.77 (Podniková morma PLN 2/01/98, F. Pulmixs.r.o) | | |
| 8 | foodstuffs (1) | -cow | HPLC/DAD (qualitative) | ŠPP 1.2.70 (H. K. Mayer, D. Heidler, C. Rockenbauer: *Determination of Percentages of Cows, Ewes and Goats Milk in Cheese by Isoelectric Focusating and Cation-exchange HPLC of γ –and Para – κ – Caseins* , Int.DairyJournal 7 (1997) 619-628, A. J. Trujillo, I. Casals, B. Guamis: Analysis of Major Caprine Milk Proteins by Reverse-Phase High-Performance Liquid Chromatography and Electrospray Ionization-Mass Spectrometry, J. DairySci (2000), 83: 11-19, H. K. Mayer: Milk spieces identification in cheese varieties using electrophoretic chromatographic and PCR techniques, International Dairy Journal 15 (2005) 595-604, EU 213/2001, RIDASCREEN CIS- Casein instruction manual) | HPLC Agilent 1100/ DAD HPLCAgilent 1200 / DAD | |
| | | -sheep | | | | |
| | | -goat casein | | | | |
| | Bryndza (mix of sheep´s and cow´s cheese) | -proportion of sheep´s and cow´s cheese | HPLC DAD | ŠPP 1.2.75 (H. K. Mayer, D. Heidler, C. Rockenbauer: *Determination of Percentages of Cows, Ewes and Goats Milk in Cheese by Isoelectric Focusating and Cation-exchange HPLC of γ –and Para – κ – Caseins* , Int.DairyJournal 7 (1997) 619-628, A. J. Trujillo, I. Casals, B. Guamis: Analysis of Major Caprine Milk Proteins by Reverse-Phase High-Performance Liquid Chromatography and Electrospray Ionization-Mass Spectrometry, J. DairySci (2000), 83: 11-19, H. K. Mayer: Milk spieces identification in cheese varieties using electrophoretic chromatographic and PCR techniques, International DairyJournal 15 (2005) 595-604, EU 213/2001, Nariadenie Komisie (ES) č. 273/2008 z 5.3. 2009, ktorým sa ustanovujú podrobné pravidlá uplatňovania naradenia Rady (ES) č. 1255/1999 týkajúce sa metód analýzy a hodnotenia kvality mlieka a mliečnych výrobkov, RIDASCREEN CIS- Casein instruction manual) | | |
| 9 | soybean, oilseed rape, linseed, maize, rice, wheat, potatoes, papaya and foodstuffs and feedstuffs containing or produced from them | **GMO –SCREENING** | PCR (conventional PCR, real-time PCR) | ŠPP 2.8.2.1 | Thermal cycler C1000 Touch, Rotor-Gene RG 3000, QuantStudio 5 | |
| | | P-CaMV 35S, T-nos, | | | | |
| | | duplex P-35S+T-nos, | | | | |
| | | *npt* II, *bar*, *pat* , 35S-*pat* , | | | | |
| | | *P-FMV,* | | | | |
| | | CTP2-CP4-EPSPS, | | | | |
| | | CryIAb/Ac, CaMV, | | | | |
| | | 35S-*bar* , pubi-*cry* , | | | | |
| | | 35S-*hpt* , *cpti* -nos | | | | |
| | | **GMO – QUALITY** | | | | |
| | | -40-3-2 soybean | | | | |
| | | -A2704-12 soybean | | | | |
| | | -MON87701 soybean | | | | |
| | | -MON89788 soybean | | | | |
| | | -A5547-127 soybean | | | | |

| Item | Object/ Matrix | Property/ Parameter/ Analyte | Principle/ type | Identification | Device | The other specification |
|---|---|---|---|---|---|---|
| 9 | soybean, oilseed rape, linseed, maize, rice, wheat, potatoes, papaya and foodstuffs and feedstuffs containing or produced from them | -356043 soybean<br>-MON87708 soybean<br>-MON87769 soybean<br>-305423 soybean<br>-BPS-CV127-9 soybean<br>-MON87705 soybean<br>-FG72 soybean<br>-DAS-68416-4 soybean<br>-DAS-44406-6 soybean<br>-MON87751 soybean<br>-SYHT0H2 soybean<br>-GMB151 soybean<br>-MON810 maize<br>-Bt176 maize<br>-Bt11 maize<br>-Bt10 maize<br>-T25 maize<br>-GA21 maize<br>-NK603 maize<br>-MON863 maize<br>-1507 maize<br>-MIR604 maize<br>-59122 maize<br>-MON88017 maize<br>-MON89034 maize<br>-3272 maize<br>-98140 maize<br>-4114 maize<br>-MIR162 maize<br>-DAS-40278-9 maize<br>-MON87460 maize<br>-MON87427 maize<br>-MON87403 maize<br>-MON87411 maize<br>-MZHG0JG maize<br>-MZIR098 maize<br>-5307 maize<br>-MON87419 maize<br>-MON87429 maize<br>-MON95379 maize<br>-LLRICE601 rice<br>-LLRICE62 rice<br>-Bt63 rice<br>-55-1 a 63-1 papaya<br>-EH92-527-1 potato<br>-FP967 linseed | PCR (conventional PCR, real-time PCR) | ŠPP 2.8.2.1 | Thermal cycler C1000 Touch, Rotor-Gene RG 3000, QuantStudio 5 | |
| 9 | soybean, oilseed rape, linseed, maize, rice, wheat, potatoes, papaya and foodstuffs and feedstuffs containing or produced from them | **GMO – QUANTITY**<br>-40-3-2 soybean<br>-356043 soybean<br>-MON810 maize<br>-Bt11 maize<br>-NK603 maize<br>-1507 maize<br>-MIR604 maize<br>-59122 maize<br>-MON89788 soybean | PCR (quantitative real-time PCR) | ŠPP 2.8.2.1 | Thermal cycler QuantStudio 5 | |

| Item | Object/ Matrix | Property/ Parameter/ Analyte | Principle/ type | Identification | Device | The other specification |
|---|---|---|---|---|---|---|
| 10 | foodstuffs (1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 16, 17) | **ALLERGENS** | PCR (conventional PCR, real-time PCR) | ŠPP 2.8.2.2 | Thermal cycler C1000, Touch Rotor-Gene RG 3000, QuantStudio 5 | |
| | | -celery | | | | |
| | | -fish | | | | |
| | | **ANIMAL SPECIES** | | | | |
| | | -vertebrate DNA | | | | |
| | | -bovine DNA | | | | |
| | | -porcine DNA | | | | |
| | | -caprine DNA | | | | |
| | | -ovine DNA | | | | |
| | | -poultry DNA | | | | |
| | | -horse DNA | | | | |
| | | -*Tenebrio molitor* (mealworm) DNA | | | | |
| 11 | biological material | **BACTERIA** | PCR (conventional PCR, real-time PCR) | ŠPP 2.8.2.3 | Thermal cycler Biometra (Trio, Tadvanced), ABI7500 QuantStudio 5 | **Serotypes**: O157, O111, O26, O145, O103, O104, O45, O55, O91, O113, O121, O128, O146, H7 **Virulence genes: stx1, stx2, stx2f, eaeA** |
| | | *-Escherichia coli (species identification, serotyping, detection of virulence genes)* | | | | **Species identification:** *C. jejuni, C. coli, C. lari, C. upsaliensis, C. fetus.* |
| | | -*Campylobacter* spp. (genus and species identification) | | | | **Virulence genes**: *sea, seb, sec, sed, see, seg, seh, sei, sej, sep, ser, pvl/lukF-PV, scn* **Resistance genes:** mecA, mecC. **Clonal complex: CC398.** |
| | | *-Staphylococcus aureus* (species identification, detection of virulence and resistance genes) | | | | |
| | | *-Melissococcus plutonius* (species identification) | | | | |
| | | *-Paenibacillus larvae* (species identification) | | | | |
| | | -*Clostridium botulinum* (detection of type A, B, E and F botulinum neurotoxin genes) | | | | |
| | | *-Salmonella spp. (genus identification, differentiation between monophasic and biphasic S. Typhimurium, differentiation between S. Enteritidis vaccine strains 441/014, Sm24/Rif12/Ssq and field strains)* | | | | |
| | fruits, vegetables, shellfish,milk, dairy products, swabs | **VIRUSES** | | ŠPP 2.8.2.4.2 | | Norovirus GI, GII |
| | | -Norovirus | | | | |
| | | -HAV | | | | |
| | | -TBEV | | | | |
| | biological material | **VIRUSES** | PCR (conventional PCR, real-time PCR) | ŠPP 2.8.2.4.1<br>ŠPP 2.8.2.4.2 | Thermal cycler Biometra (Trio, Tadvanced), ABI7500 QuantStudio 5 | |
| | | -KHV | | | | |
| | | -EHNV | | | | |
| | | -CEV | | | | |
| | | -IHNV | | | | |
| | | -SVCV | | | | |
| | | -VHSV | | | | |
| | | -IPNV | | | | |
| | | -DWV | | | | DWV-A, B |
| | | -ABPV | | | | |

| Item | Object/ Matrix | Property/ Parameter/ Analyte | Principle/ type | Identification | Device | The other specification |
|---|---|---|---|---|---|---|
| 11 | biological material | -SBV | PCR (conventional PCR, real-time PCR) | ŠPP 2.8.2.4.1<br>ŠPP 2.8.2.4.2 | Thermal cycler Biometra (Trio, Tadvanced), ABI7500 QuantStudio 5 | |
| | | -KBV | | | | |
| | | -IAPV | | | | |
| | | -CBPV | | | | |
| | | -ISAV | | | | |
| | | -BTV, BTV-8 | | | | |
| | | -BVDV | | | | |
| | | -Schmallenberg virus | | | | |
| | | -BQCV | | | | |
| | | **PARASITES** | | ŠPP 2.8.2.7 | | |
| | | -*Crithidia* spp. | | | | *C. bombi* |
| | | -*Apicystis bombi* | | | | |
| | | **MYCETES** | | ŠPP 2.8.2.8 | | |
| | | -*Vairimorpha spp. (Nosema* spp.) | | | | *V. apis / V. ceranae / V. bombi (N. apis / N. ceranae / N. bombi)* |
| | | -*Ascosphaera apis* | | | | |
| | | **PESTS** | | ŠPP 2.8.2.9 | | |
| | | -*Aethina tumida* | | | | |
| 12 | biological material, meat | -prion gene (PrP) polymorphism | sequencing analysis (qualitative) | ŠPP 2.8.2.5 | Genetic analyzer ABI3130, SeqStudio | |
| | | -*COI*- based species identification | | | | |
| | | -*cytb*- based species identification | | | | |
| 13 | water | -benzo(b)fluoranthene | HPLC FLD | ŠPP 1.2.4<br>(Bernard, Hajšlová, Kratochvílová, Merhaut, Aplication note 130, DIONEX - Application Note 313, Simon R., Palme S., Anklam E., Single laboratory validation of a gas chromatography – mass spectrometry method for quantitation of 15 European priority polycyclic aromatic hydrocarbons in spiked smoke flavourings; Journal of chromatography A, 1103 (2006) 307 – 313, EN 16619:2015 – Stanovenie PAU plynovou chromatografiou s hmotnostnou detekciou<br>STN EN ISO 15302 - Stanovenie PAU kvapalinovou chromatografiou s fluorescenčnou detekciou AOAC Official Method 963.15 (31.4.02), Fat in Cacaoproducts, Soxhlet Extraction Method) | HPLC Agilent 1100/ FLD and DAD<br>HPLC Agilent 1200 /FLD and DAD<br>HPLC Agilent 1260 /FLD and DAD | sum of PAH (benzo(b)fluoranthene + benzo(k)fluoranthene + benzo(g,h,i)perylene + indeno(1,2,3,cd)pyrene+ benzo(a)pyrene + fluorenthene |
| | | -benzo(k)fluoranthene | | | | |
| | | -benzo(a)pyrene | | | | |
| | | -benzo(g,h,i)perylene | | | | |
| | | -indeno(1,2,3,cd)pyrene | | | | |
| | | -fluoranthene | | | | |
| | | -sum of PAH | | | | |
| | foodstuffs (1,2,3,5,6,7, 8,11,12,13) | -cyclopenta(c,d)pyrene | HPLC FLD/DAD GCMSMS | | HPLC Agilent 1100/ FLD and DAD<br>HPLC Agilent 1200/ FLD and DAD<br>HPLC Agilent 1260/ FLD and DAD<br><br>GC/MS/MS Agilent 7010C GC/TQ | sum of PAH (benzo(a)pyrene + benzo(a)anthracene + benzo(b)fluoranthene +chrysene) |
| | | -benzo(c)fluorene | | | | |
| | | -benzo(a)anthracene | | | | |
| | | -chrysene | | | | |
| | | -5-methylchrysene | | | | |
| | | -benzo(j)fluoranthene | | | | |
| | | -benzo(b)fluoranthene | | | | |
| | | -benzo(k)fluoranthene | | | | |
| | | -benzo(a)pyrene | | | | |
| | | -dibenzo(a,l)pyrene | | | | |
| | | -dibenzo(a,h)anthracene | | | | |
| | | -benzo(g,h,i)perylene | | | | |
| | | -indeno(1,2,3,c,d)pyrene | | | | |
| | | -dibenzo(a,e)pyrene | | | | |
| | | -dibenzo(a,i)pyrene | | | | |
| | | -dibenzo(a,h)pyrene | | | | |
| | | -sum of PAH | | | | |
| 14 | foodstuffs (1-17) | CARBOHYDRATES: | HPLC/RI | ŠPP 1.2.13<br><br>Harmonised method of the international honey commision 2009, 7.2 Determination of sugars by HPLC, str. 46-48 AOAC OfficialMethod 2005, 18thEdition, AOAC OfficialMethod977.20: Separation of sugars in Honey, Chapter 44, p. 31-32 | HPLC Agilent 1200/ RI(1100) and FLD | |
| | | -glucose | | | | |
| | | -fructose | | | | |
| | | -sucrose | | | | |
| | | -lactose | | | | |
| | | -maltose | | | | |
| | | -glucose+fructose | | | | |
| | | -glucose+fructose + sucrose | | | | |
| | | -glucose+fructose + sucrose +lactose+ maltose | | | | |

| Item | Object/ Matrix | Property/ Parameter/ Analyte | Principle/ type | Identification | Device | The other specification |
|---|---|---|---|---|---|---|
| 15 | foodstuffs (1-17) | total mechanical analysis, pests | sensory analysis, gravimetry (qualitative method, quantitative methods) | ŠPP 2.1.70<br>(STN 461011-24<br>STN 580110<br>STN 56 0232<br>STN 56 0246-41<br>STN 56 9431<br>Vyhláška č.132/2014 MPaRV SR z 15. mája 2014 o spracovanom ovocí a zelenine, jedlých hubách, olejninách, suchých škrupinových plodoch, zemiakoch a výrobkoch z nich Vyhláška č. 309 /2015 MPaRV SR zo 4. novembra 2015 o pochutinách, jedlej soli, dehydrovaných pokrmoch, polievkových prípravkoch a o ochucovadlách) | | |
| 16 | foodstuffs (1-17) | sensory analysis and labelling | sensory analysis (qualitative method) | ŠPP 2.1.56$^{p4}$ | | |
| 17 | foodstuffs (1-17) | x-height of the font size | lenght measurement | Regulation (EU) No 1169/2011 of the European Parliament and of the Council<br>ŠPP 2.1.73 | | |
| 18 | wabs, raw milk, faeces, ejaculate, urine, meconium, exudate, bronchoalveolar lavage, section material, swabs after desinfection, caecum, meat | GRAM- POSITIVE COCCI | cultivation, biochemical and microscopic identification (qualitative method) | ŠPP 2.3.28 (Manual of Diagnostic Test an Vaccines for Terrestrial Animals 2019) | MALDI Biotyper Sirius | |
| | | GRAM- POSITIVE RODS | | ŠPP 2.3.29<br>(Bergy´s Manual of Systematic Bacteriology (2009)<br>Manual of Diagnostic Test an Vaccines for Terrestrial Animals 2019) | | |
| | | GRAM- NEGATIVE COCCI | | ŠPP 2.3.30 (Bergy´s Manual of Systematic Bacteriology (2009)<br>Manual of Diagnostic Test an Vaccines for Terrestrial Animals 2019) | | |
| | | GRAM- NEGATIVE RODS | | ŠPP 2.3.31 (Bergy´s Manual of Systematic Bacteriology (2009)<br>Manual of Diagnostic Test an Vaccines for Terrestrial Animals 2019) | | |

## FOOD CATEGORIES FOR THE FLEXIBLE SCORE

1. Milk and dairy products
2. Meat, tissues and meat products
3. Fish and fish products
4. Eggs and egg products
5. Fats, oils and their products
6. Fruit, vegetables, mushrooms, oil seeds, non-oil seeds, nuts, peanuts, legumes and their products
7. Grain and their products
8. Coca, chocolate and their products, sweets
9. Honey
10. Alcohol and spirits
11. Ingredients
12. Beverages
13. Food for special nutritional purposes and nutritional supplements
14. Ice creams and deserts
15. Sugars, syrups and artifficial sweeteners
16. Dishes and ready-to-cook products
17. Processed food other than categories 1-16