Chelab GmbH & Co.KG Carl-Zeiss-Str.16 30966 Hemmingen	**List of all test methods in the accredited scope** **Category I (*):** the free selection of standardized or equivalent test methods within a defined test range. **Category II (**):** the modification as well as further and new development of test methods within a defined test range. **Category III ( ):** Application of standardized test methods or test methods equivalent to them and calibration guidelines with different states of issue.	 Processing number: PL-19356-02 FB 5.3 - 07 Stand: 5-Jul-23 created: ikr checked: ss translated: ss

Short title of the standard, standard-like test method or in-house method, including date of issue	Title of the standard, standard-like test method or in-house method	Short title of the internal laboratory test specification, including date of issue	Revision of the laboratory internal test specification
1 Examination of color, aroma and flavor of non-alcoholic beverages# using simple descriptive tests**			
ASU L 00.90-6 2015-06	Examination of foods - Sensory testing methods - Simple descriptive testing in non-alcoholic baverages#	AA-M-211 20.12.2021	Rev.06
IFU No. 25 2005	Organoleptic Examination	AA-M-029 20.12.2021	Rev.06
USDA Sensory 1983-10	United State Standards for Grades of Orange Juices, §52.1557 Requirements for grades	AA-M-237 20.12.2021	Rev.03
AA-M-222 2021-12	Sensory testing scheme for food products		Rev.07
2 Densitometric tests in liquid foods			
IFU No. 1A 2005	Relative Density (Method using density meter)	AA-M-026 04.06.2020	Rev.05
3 Refractometric examinations in non-alcoholic beverages#.			
IFU No. 8 2017	Determination of Soluble Solids (Indirect method by refractometry)	AA-M-027 30.05.2018	Rev.06

Non-alcoholic beverages (including fruit and vegetable juices) and their semi-finished products

4 Determination of ingredients and additives in non-alcoholic beverages#, milk substitute products and vinegars by titrimetric **			
ASU L 01.00-10/1 2016-03	Determination of nitrogen in milk (protein) according to ASU L 01.00-10/1, 2016-03, Part 1: Kjeldahl method and calculation of crude protein content (according to DIN EN ISO 8968-1) (Modification: in milk substitute products)	AA-M-061A 25.07.2022	Rev. 01
ASU L 26.11.03-11 1983-11	Examination of foods -Determination of total nitrogen in tomato paste. (Deviation: in non-alcoholic beverages#)	AA-M-061 25.07.2022	Rev.09
IFU No. 3 2017	Titratable Acidity in non-alcoholic beverages# (Deviation: automatic titration, concentration of sodium hydroxide solution)	AA-M-012 16.03.2023	Rev.15
IFU No. 5 2005	Determination of Volatile Acids in non-alcoholic beverages# (Deviation: automated distillation, concentration of sodium hydroxide)	AA-M-037 03.05.2023	Rev.06
IFU No. 7a 2018	Determination of Total Sulphur Dioxide in non-alcoholic beverages#	AA-M-004 16.03.2023	Rev.11
IFU No. 10 2005	Determination of Ash Alkalinity in non-alcoholic beverages#	AA-M-023 24.03.2022	Rev.07
IFU No. 30 2005	Determination of Formol Number in non-alcoholic beverages# (Deviation: concentration of NaOH solution, automatic titration unit)	AA-M-035 16.03.2023	Rev.12
IFU No. 37 2005	Determination of chloride in non-alcoholic beverages# (Deviation: concentration silver nitrate measuring solution, use of an automatic titration unit)	AA-M-032 18.12.2013	Rev.04
IFU No. 45 2005	Determination of essentials oils in non-alcoholic beverages# (Bromate Method)	AA-M-049 28.10.2021	Rev.07

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AA-M-140 2022-01	Titration of acetic acid in aqueous solution		Rev.06
5 Potentiometric tests in liquid foods			
IFU No. 11 2015	Determination of pH Value in non-alcoholic beverages#	AA-M-011 03.08.2022	Rev.05
6 Determination of ingredients in non-alcoholic beverages# by gravimetry **			
ASU L 00.00-18 1997-01	Analysis of food - Determination of dietary fiber in food; enzymatic gravimetric method (Determination in non-alcoholic beverages#)	AA-M-060 09.11.2017	Rev.09
ASU L 44.00-4 1985-12	Analysis of food - Determination of total fat content in chocolate; gravimetric method. (Deviation: matrix non-alcoholic beverages#, drying of the filter, Soxhlet extraction)	AA-M-062 05.06.2020	Rev.06
ASU L 47.00-5 1985-12	Analysis in food - Determination of ash insoluble in hydrochloric acid in non-alcoholic beverages#; gravimetric method	AA-M-242 30.03.2017	Rev.01
IFU No. 9 2005	Determination of Ash in non-alcoholic beverages# *(Deviation: ashing temperature, drying)*	AA-M-022 10.01.2022	Rev.05
IFU No. 36 2016	Determination of Sulphate in non-alcoholic beverages# *(Deviation: standing time after addition of barium chloride, duration of centrifugation, number of revolutions, calculation as SO42-)*	AA-M-031 23.03.2022	Rev.03
IFU No. 60 2005	Determination of Centrifugeable Pulp in non-alcoholic beverages#	AA-M-003 10.01.2006	Rev.04

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IFU No. 70 1998	Cell Content of Pulps and Juices in non-alcoholic beverages#	AA-M-173 02.05.2013	Rev.02
7 Determination of ingredients and additives in non-alcoholic beverages# using enzymatic methods **.			
ASU L 00.00-94 2006-09	Analysis of foods - Determination of inulin in foodstuffs, enzymatic method	AA-M-220 03.05.2023	Rev.05
IFU No. 21 2005	Determination of L-Malic Acid in non-alcoholic beverages# (Modification: automated measurement)	AA-M-014 03.05.2023	Rev.05
Enzytec ™ Liquid L-Äpfelsäure Bestellnr. E8280 2022-05	Enzymatic determination of L-malic acid in non-alcoholic beverages#	AA-M-268 09.06.2023	Rev.03
IFU No. 22 2005	Determination of citric acid (enzymatic) in non-alcoholic beverages# (Modification: automated measurement)	AA-M-016 03.05.2023	Rev.05
Enzytec ™ Liquid Citric-Acid Bestellnr. E8230 2022-07	Enzymatic determination of citric acid in non-alcoholic beverages#	AA-M-268 09.06.2023	Rev.03
IFU No. 52 2005	Determination of Alcohol - enzymatic in non-alcoholic beverages# (Modification: automated measurement)	AA-M-018 03.05.2023	Rev.04
Enzytec™ Liquid Ethanol Bestellnr.: 8340 2022-07	Enzymatic determination of ethanol in non-alcoholic beverages#.	AA-M-268 09.06.2023	Rev.03

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IFU No. 53 2005	Determination of Lactic Acid in non-alcoholic beverages# (Modification: automated measurement)	AA-M-021 03.05.2023	Rev.05
Enzytec ™ D-Lactic-acid Bestellnr. E8245 2022-06 Enzytec ™ L-Lactic-acid Bestellnr. E8260 2021-10	Enzymatic determination of D-lactic acid and L-lactic acid in non-alcoholic beverages#	AA-M-268 09.06.2023	Rev.03
Enzytec ™ D-Isocitric acid UV-Test Bestellnr. E1222 2021-04	Enzymatic determination of D-isocitric acid in non-alcoholic beverages#	AA-M-017 14.01.2022	Rev.11
IFU No. 55 2005	Determination of Glucose and Fructose (enzymatic) in non-alcoholic beverages# (Modification: automated measurement)	AA-M-013 03.05.2023	Rev.05
Enzytec™ Liquid D-Glucose / D-Fructose Bestellnr. E8160 2022-02	Enzymatic determination of glucose and fructose and other calculations in non-alcoholic beverages#	AA-M-268 09.06.2023	Rev.03
IFU No. 56 2005	Determination of Sucrose in non-alcoholic beverages# (Modification: automated measurement)	AA-M-013 03.05.2023	Rev.05
Enzytec™ Liquid Saccharose / D-Glucose	Enzymatic determination of sucrose and other calculations in non-alcoholic beverages#	AA-M-268 09.06.2023	Rev.03

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Bestellnr. E8180 2022-01			
IFU No. 64 2005	D-malic acid (enzymatic) (Enzymatic determination of D-malic acid in non-alcoholic beverages# (Modification: automated measurement)	AA-M-015 03.05.2023	Rev.04
r-biopharm D-Äpfelsäure UV-Test BestellNo. 11215558035 2019-01	Enzymatic determination of D-malic acid in non-alcoholic beverages#	AA-M-268 09.06.2023	Rev.03
IFU No. 66 2019	Determination of Acetic acid (Enzymatic method) (Enzymatic determination of acetic acid in non-alcoholic beverages#)	AA-M-131 17.01.2022	Rev.06
Enzytec ™ liquid Acetic acid UV-Test Bestellnr. E8226 2022-09	Enzymatic determination of acetic acid in non-alcoholic beverages#.	AA-M-268 09.06.2023	Rev.03
IFU No. 76 2006	Determination of D-Gluconic Acid (enzymatic) (Enzymatic Determination of D-Gluconic Acid in non-alcoholic beverages# (Modification: automated measurement)	AA-M-085 03.05.2023	Rev.05
Enzytec ™ Liquid D-Gluconic-acid UV-Test Bestellnr. 8520 2022-05	Enzymatic determination of D-gluconic acid in non-alcoholic beverages#.	AA-M-268 09.06.2023	Rev.03

Non-alcoholic beverages (including fruit and vegetable juices) and their semi-finished products

IFU No. 77 2001	Determination of Glycerol (enzymatic) (Enzymatic determination of glycerol in non-alcoholic beverages#) (Modification: automated measurement)	AA-M-084 03.05.2023	Rev.05
Enzytec TM Liquid Glycerol UV-Test BestellNr. E8360 2021-10	Enzymatic determination of glycerol in non-alcoholic beverages#.	AA-M-268 09.06.2023	Rev.03
r-biopharm Nitrat (NO3-) UV-Test BestellNo. 10905658035 2019-01	UV test for the determination of nitrate (NO3-) in non-alcoholic beverages#	AA-M-208 03.05.2023	Rev.04
r-biopharm Stärke UV-Test BestellNo. 10207748035 2018-05	Enzymatic determination of native starch in non-alcoholic beverages#	AA-M-053 03.05.2023	Rev.05
r-biopharm L-Ascorbinsäure UV-Test BestellNo. 10409677035 2019-01	Enzymatic determination of L-ascorbic acid in non-alcoholic beverages#	AA-M-054 26.06.2023	Rev.05
Thermo scientific L-Asparaginsäure UV-Test BestellNo. 984319 2019-01	Enzymatic determination of L-aspartic acid in non-alcoholic beverages#	AA-M-020 03.05.2023	Rev.06

Non-alcoholic beverages (including fruit and vegetable juices) and their semi-finished products

8	Determination of ingredients and additives as well as key data in non-alcoholic beverages#, herbs and spices using photometry **		
ASU L 26.11.03-13 November 1983	Analysis of foods - Determination of lycopene content in tomato paste, colorimetric method *(Deviation: matrix, processing)*	AA-M-254 12.08.2020	Rev.01
ASU L 47.00-10 2008-12	Analysis of foods -Determination of the total polyphenol content in tea Colorimetric method with Folin-Ciocalteu reagent *(Deviation: matrix, processing)*	AA-M-070 28.04.2023	Rev.08
IFU No. 26 2012	Determination of pectin in non-alcoholic beverages#; by photometry	AA-M-040 14.01.2022	Rev.12
IFU No. 49 2005	Determination of Proline in non-alcoholic beverages#; by photometry	AA-M-036 24.03.2022	Rev.05
IFU No. 59 2008	Determination of Total Carotenoids and Individual Carotenoid Groups in non-alcoholic beverages#; by photometry	AA-M-041 05.06.2020	Rev.06
IFU No. 86 2020	Quantification of total chlorophyll in pineapple juices, purees and concentrates, photometric method	AA-M-257 08.02.2023	Rev.02
AA-M-075 2023-03	Determination of cyanogen compounds in non-alcoholic beverages#; photometric method.		Rev.08
9	Determination of ingredients, additives and contaminants of non-alcoholic beverages#, herbs, spices and flavors by high-performance liquid chromatography (HPLC) with DAD-, UV and FLD detectors**		
ASU L 00.00-28 2001-07	Analysis of foods -. Determination of aspartame, acesulfame-K, saccharin sodium, caffeine, theobromine, aspartylphenylalanine, and diketopiperazine (HPLC method) in	AA-M-141 19.10.2017	Rev.06

Non-alcoholic beverages (including fruit and vegetable juices) and their semi-finished products

	foods (Modification: additional determination of caffeine, theobromine, sorbic acid and benzoic acid)		
ASU L 00.00-29 2001-07	Analysis of foods -. Determination of sodium cyclamate in food (HPLC method) Determination in non-alcoholic beverages#	AA-M-135 24.05.2018	Rev.06
ASU L 31.00-20 2004-12	Analysis of food - Determination of patulin in non-alcoholic beverages# by HPLC	AA-M-258 16.02.2021	Rev.01
ASU L 36.00-13 2010-01	Analysis of foods - Determination of ochratoxin A in beer - HPLC method with purification on an immunoaffinity column *(Deviation: matrix also non-alcoholic beverages#, sample preparation according to manufacturer's instructions)*	AA-M-051 07.03.2019	Rev. 15
IFU No. 57 2005	Free amino acids and taurine in non-alcoholic beverages# using amino acid analyzer) *(Deviation: extension by taurine, sample preparation, no ISTD)*	AA-M-047 06.09.2018	Rev.06
IFU No. 58 2005	Determination of Hesperidin and Naringin HPLC in non-alcoholic beverages#) *(Deviation: sample preparation, flow agent, determination of other flavonoids)*	AA-M-034 03.03.2021	Rev.09
IFU No. 63 2005	Preservative in non-alcoholic beverages# by HPLC) *(Deviation: RP18 precolumn, gradient system)*	AA-M-050 11.02.2021	Rev.08
IFU No. 65 2013	Tartaric acid in grape juice (HPLC) in non-alcoholic beverages#	AA-M-179 31.05.2021	Rev.06
IFU No. 69 2005	Determination of Hydroxymethylfurfural (HPLC) in non-alcoholic beverages# *(Deviation: multipoint calibration, Wavelengt)*	AA-M-106 22.11.2021	Rev.07

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IFU No. 71 2015	Anthocyanins by HPLC (Fingerprint anthocyanins and betalains from non-alcoholic beverages# by HPLC)	AA-M-154 09.06.2021	Rev.09
IFU No. 72 1998	Fumaric acid (HPLC) in non-alcoholic beverages#	AA-M-043 20.05.2021	Rev.08
AA-M-096 2021-06	Determination of limonin in citrus juices by HPLC		Rev.09
AA-M-099 2021-07	Determination of phloridzin in non-alcoholic beverages# by HPLC		Rev.09
AA-M-118 2021-06	Qualitative detection of synthetic dyes in non-alcoholic beverages# by HPLC		Rev.07
AA-M-130 2020-02	Determination of tocopherols in non-alcoholic beverages# by HPLC-DAD		Rev.06
AA-M-195 2023-06	Determination of vanillin and accompanying substances by HPLC in vanilla-containing products		Rev.07
AA-M-196 2017-10	Determination of carotenoids (vitamin A) in non-alcoholic beverages# by HPLC		Rev.04
AA-M-198 2018-10	Determination of quinine in non-alcoholic beverages# by HPLC		Rev.05
AA-M-201 2018-12	Fingerprint of polymethoxylated flavones (PMF) and determination of 7-methoxycoumarin in citrus juices by HPLC		Rev.08

Non-alcoholic beverages (including fruit and vegetable juices) and their semi-finished products

AA-M-204 2018-05	Determination of steviol glycosides in foods by HPLC		Rev.03
AA-M-210 2021-02	Determination of patulin by HPLC in non-alcoholic beverages# after purification on AFFINIMIP column		Rev.11
AA-M-226 2021-10	Determination of ergosterol in non-alcoholic beverages# by HPLC		Rev.05
AA-M-234 2019-01	Polyphenol fingerprinting by HPLC in apple and pear juices		Rev.02
10	Determination of ingredients and additives in non-alcoholic beverages# using ion chromatography (IC) with PAD and CD detectors **		
IFU No. 79 2011	Measurement of Polyols in Fruit and Vegetable juices using Electrochemical detection (Determination of sugar alcohols by IC in non-alcoholic beverages#) *(Deviation: Eluent, Column)*	AA-M-176 26.07.2022	Rev.13
AA-M-128 2021-02	Determination of maltose and maltotriose by IC in non-alcoholic beverages#		Rev.15
AA-M-192 2022-12	Determination of inositol and glucuronolactone by IC-PAD in non-alcoholic beverages#		Rev.06
AA-M-193 2023-05	Determination of organic acids by IC-CD in non-alcoholic beverages#		Rev.08
AA-M-245 2020-07	Determination of inositol isomers by IC-PAD in non-alcoholic beverages#		Rev.03
AA-M-255 2020-10	Determination of sucralose by IC-PAD in non-alcoholic beverages#		Rev.01

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AA-M-263 2023-03	Determination of anions and organic acids by means of IC-CD in non-alcoholic beverages#		Rev.01
AA-M-264 2022-03	Determination of various sugars and cellobiose by IC-PAD in non-alcoholic beverages#		Rev.01
AA-M-265 2023-03	Determination of quinic, shikimic and galacturonic acid in non-alcoholic beverages# by IC-PAD		Rev.02
11	Determination of ingredients as well as residues and contaminants in non-alcoholic beverages#, herbs and spices by high-performance liquid chromatography with mass spectrometry (LC-MS/MS) **		
ASU L 00.00-115 2018-10	Analysis of foods - multimethod for the determination of pesticide residues in plant foods by GC-MS/MS or LC-MS/MS after acetonitrile extraction/dispersion and purification by dispersive SPE (QuEChERS1) Matrix group 1 and 2	AA-M-157 05.04.2023 AA-M-158 21.10.2021 (Benzimidazole fungicides) AA-M-159 08.12.2020 (Carbamates) AA-M-162 06.01.2021 (phenylurea herbicides AA-M-178 05.01.2021	Rev.09 Rev.10 Rev.06 Rev.07 Rev.05

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		(Selected pesticides)	
EURL for Single Residue Methods Analysis of DDAC and BAC 2016-03, Vers. 5	Analysis of Didecyldimethylammonium chloride and Benzalkonium chloride by applying the QuEChERS method without cleanup and LC-MS/MS determination; *in non-alcoholic beverages#* *(Deviation: without isotope std.)*	AA-M-167 18.09.2020	Rev.07
AA-M-166 2023-05	Determination of Fosethyl-Al by LC-MS/MS in Non-alkoholic beverages#		Rev.06
AA-M-171 2021-10	Determination of arbutin and phloridzin by means of LC-MS/MS in non-alcoholic beverages#		Rev.08
AA-M-212 2023-05	Determination of 4-methylimidazole by LC-MS/MS in non-alcoholic beverages#		Rev.04
AA-M-213 2023-05	Determination of chlorate, perchlorate and bromate by LC-MS/MS in non-alcoholic beverages#		Rev.10
AA-M-227 2023-05	Determination of 2-acetyl-4-tetrahydroxy-butylimidazole (THI) in non-alcoholic beverages# by LC-MS/MS		Rev.04
AA-M-235 2023-05	Determination of morpholines, diethanolamines and triethanolamines by LC-MS/MS in plant foods		Rev.05
AA-M-246 2021-08	Determination of pyrrolizidine alkaloids (PA) and tropane alkaloids (TA) in plant material by SPE- LC-MS/MS		Rev.03
AA-M-260 2021-08	Determination of mycotoxins in non-alcoholic beverages# by means of LC-MS/MS		Rev.01
12 Determination of ingredients, additives and residues in non-alcoholic beverages# by gas chromatography (GC) with FID detectors **			

Non-alcoholic beverages (including fruit and vegetable juices) and their semi-finished products

AA-M-048 2020-07	Testing for the addition of sugar syrup by GC-FID (Method acc. to Low) in non-alcoholic beverages#		Rev.10
13	Determination of aroma substances, additives, contaminants and residues in non-alcoholic beverages#, herbs and spices using gas chromatography with mass spectrometry (GC-MS) **		
ASU L 00.00-34 2010-09	Analysis of food - Modular multimethod for the determination of pesticide residues in foods; gas chromatographic method Matrix group 1 and 2 *(Deviation: without GPC)*	AA-M-114 26.05.2021	Rev.14
ASU L 00.00-106 2006-12	Investigation of food- Determination of concentrations and enantiomeric ratios of chiral aroma compounds in food; by GC-MS *(Deviations: calibration, extraction time, GC temperature program)*	AA-M-059 08.06.2023	Rev.15
AA-M-182 2023-06	Determination of benzene, furan, 2-methylfuran and 3-methylfuran in non-alcoholic beverages# by HS-GC-MS.		Rev.07
AA-M-233 2023-06	Determination of Velcorin via ethyl methyl carbonate in liquid foods by HS-GC/MS		Rev.05
AA-M-266 2023-05	Determination of methanol and ethanol in non-alcoholic beverages# by HS-GC-MS		Rev.02
14	Determination of contaminants in herbs and spices by gas chromatography with mass spectrometry (GC/MS-MS) *		
AA-M-267 2022-06	Determination of ethylene oxide as the sum of 2-chloroethanol and 2-bromoethanol in herbs and spices by GC-MS/MS		Rev. 01
15	Determination of minerals, trace elements and metals of non-alcoholic beverages# using inductively coupled plasma (ICP-OES) *		

Non-alcoholic beverages (including fruit and vegetable juices) and their semi-finished products

ASU L 00.00-144 2019-07	Analysis of foods - Determination of the minerals: calcium, potassium, magnesium, sodium, phosphorus and sulfur as well as the trace elements iron, copper, manganese and zinc in foodstuffs using inductively coupled plasma optical emission spectrometry (ICP-OES). *(Deviations: no ionization buffer,* *extension by the following elements: Pb, Cd, As, Hg, Sn, Sb, Ni, Cr, Al, Co, Mo, Nb, V, Ti)*	AA-M-058 07.07.2020 AA-M-057 02.05.2023	Rev.30 Rev.17
16 Determination of ingredients and impurities in non-alcoholic beverages# by nuclear magnetic resonance spectroscopy (NMR)**			
AA-M-209 2019-10	Fruit juice analysis (JuiceScreening) by NMR for ingredients and key data on authenticity and quality, Sample preparation and measurement according to Bruker BioSpin GmbH specifications, data evaluation at Bruker BioSpin GmbH (Bruker SGF-Profiling™)		Rev.03
AA-M-219 2018-08	Test method for the quantitative determination of primary and secondary ingredients and impurities by NMR in non-alcoholic beverages#		Rev.04
AA-M-224 2023-05	Detection of added sugars: fermentation of vinegars, alcoholic and non-alcoholic beverages and their intermediate products and distillation of ethanol with subsequent ^{2}H-NMR for (D/H) determination and GC-IRMS for δ^{13}C-measurement.		Rev.11
AA-M-231 2019-10	Screening of ^{1}H NMR fingerprint for irregularities for quality control of non-alcoholic beverages#		Rev.05
AA-M-238 2022-08	Testing for authenticity of acetic acid in foods containing acetic acid by (D/H) determination with δ^{2}H-NMR		Rev.07

Non-alcoholic beverages (including fruit and vegetable juices) and their semi-finished products

AA-M-243 2020-06	quantitative NMR by ISTD for liquid and solid samples		Rev.02
17 Microbiological testing in non-alcoholic beverages# using cultural methods			
AA-M-203 2023-01	Microbiological determination of total plate count, yeasts and molds, coliforms and lactobacilli by membrane filter method in non-alcoholic beverages#		Rev.08
18 Physical parameters in non-alcoholic beverages#			
DIN 38 409 Teil 9 1980-07	Determination of the volume fraction of settleable solids in water and wastewater (H9). *(Deviation: matrix (non-alcoholic beverages#)*	AA-M-086 28.04.1999	Rev.02
AA-M-100 2023-05	Determination of viscosity in liquids by rotational viscometer		Rev.11
19 Determination of ingredients and additives in fruit juices and vanilla-containing foods by isotope ratio mass spectrometry (IRMS)*			
AA-M-097 2023-06	Isolation of organic acids for isotope analysis by IRMS		Rev.06
AA-M-104 2023-06	Isolation of ascorbic acid from fruit juices for carbon isotope determination (IRMS)		Rev.09
AA-M-187 2023-06	Determination of the $\delta^{13}C$ and $\delta^{2}H$ ratios of vanillin and its accompanying substances by GC-IRMS in flavors, milk products and vanilla compositions as well as in chocolate		Rev.05
AA-M-251 2023-05	Determination of $\delta^{13}C/\delta^{12}C$ isotope ratios on fruit and vegetable juices and their intermediate products, Vinegars, their components and related		Rev.03

Non-alcoholic beverages (including fruit and vegetable juices) and their semi-finished products

	products and total material by EA-IRMS.		
AA-M-269 2023-05	Determination of the ratios of $^{15}N/^{14}N$ isotopes on juices, their constituents and related products and on total material by EA-IRMS		Rev.01
20	Qualitative detection of ingredients and characteristics in non-alcoholic beverages#		
IFU No. 46 2005	Determination of Pectin Esterase (PE) activity in citrus juices and their concentrates *(Deviations: use a pH meter instead of an indicator)*	AA-M-080 11.03.2006	Rev.02
IFU No. 73 2000	Detection of Starch in Fruit Juices (Qualitative detection of starch in non-alcoholic beverages#)	AA-M-139 12.11.2013	Rev.04
IFU No. 80 2019	Measurement of the Color of Clear and Hazy Juices (Spectrophotometric Method) (Color measurement in clear and cloudy non-alcoholic beverages#; photometric)	AA-M-197 29.03.2022	Rev.04
IFU No. 83 2017	Color measurement in blood orange juices (Spectrophotometric method)	AA-M-240 22.04.2022	Rev.02
IFU No. 84 2017	Stability tests for clarified juices (Stability tests for clarified non-alcoholic beverages#)	AA-M-241 22.04.2022	Rev.02
AA-M-071 2022-03	Determination of turbidity in non-alcoholic beverages# by turbidity photometer		Rev.03
AA-M-073 2013-11	Determination of clarity in non-alcoholic beverages# by photometer		Rev.02
AA-M-155 2010-12	Turbidity stability according to Stevens (qualitative)		Rev.02

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AA-M-217 2018-11	Determination of the filling quantity in ready-to-use products		Rev.02

Non-alcoholic beverages (including fruit and vegetable juices) and their semi-finished products