**Review of national standardization**

The following Hungarian standards are commercially available at MSZT (Hungarian Standards Institution, H-1082 Budapest, Horváth Mihály tér 1., phone: +36 1 456 6893, fax: +36 1 456 6841, e-mail: kiado@mszt.hu, postal address: H-1450 Budapest 9., Pf. 24) or via website: www.mszt.hu/webaruhaz.

**Published national standards from March 2020 to May 2020**

*07.100.20 Water microbiology*

MSZ EN ISO 11731:2017* Water quality. Enumeration of Legionella (ISO 11731:2017)

*07.100.30 Food microbiology*

MSZ EN 15634-1:2020 Foodstuffs. Detection of food allergens by molecular biological methods. Part 1: General considerations – which has withdrawn the MSZ EN 15634-1:2009 –

MSZ EN 15634-2:2020 Foodstuffs. Detection of food allergens by molecular biological methods. Part 2: Celery (*Apium graveolens*). Detection of a specific DNA sequence in cooked sausages by real-time PCR

MSZ EN ISO 15216-2:2020 Microbiology of the food chain. Horizontal method for determination of hepatitis A virus and norovirus using real-time RT-PCR. Part 2: Method for detection (ISO 15216-2:2019)

MSZ EN ISO 16140-6:2020 Microbiology of the food chain. Method validation. Part 6: Protocol for the validation of alternative (proprietary) methods for microbiological confirmation and typing procedures (ISO 16140-6:2019)

MSZ EN ISO 19036:2020 Microbiology of the food chain. Estimation of measurement uncertainty for quantitative determinations (ISO 19036:2019)

*13.060 Water quality*

MSZ EN ISO 5667-6:2017* Water quality. Sampling. Part 6: Guidance on sampling of rivers and streams (ISO 5667-6:2014)

MSZ EN 16691:2016* Water quality. Determination of selected polycyclic aromatic hydrocarbons (PAH) in whole water samples. Method using solid phase extraction (SPE) with SPE-disks combined with gas chromatography mass spectrometry (GC-MS)

MSZ EN ISO 21253-1:2020 Water quality. Multi-compound class methods. Part 1: Criteria for the identification of target compounds by gas and liquid chromatography and mass spectrometry (ISO 21253-1:2019)

MSZ EN ISO 21253-2:2020 Water quality. Multi-compound class methods. Part 2: Criteria for the quantitative determination of organic substances using a multi-compound class analytical method (ISO 21253-2:2019)

MSZ EN ISO 22125-1:2020 Water quality. Technetium-99. Part 1: Test method using liquid scintillation counting (ISO 22125-1:2019)

MSZ EN ISO 22125-2:2020 Water quality. Technetium-99. Part 2: Test method using inductively coupled plasma mass spectrometry (ICP-MS) (ISO 22125-2:2019)

**67 Food technology**

*67.050 General methods of tests and analysis for food products*

MSZ CEN/TS 17061:2020 Foodstuffs. Guidelines for the calibration and quantitative determination of pesticide residues and organic contaminants using chromatographic methods – which has withdrawn the MSZ CEN/TS 17061:2017 –

MSZ CEN/TS 17062:2020 Foods of plant origin. Multimethod for the determination of pesticide residues in vegetable oils by LC-MS/MS (QuOil) – which has withdrawn the MSZ CEN/TS 17062:2017 –

MSZ EN 13804:2013* Foodstuffs. Determination of elements and their chemical species. General considerations and specific requirements

MSZ EN 13805:2015* Foodstuffs. Determination of trace elements. Pressure digestion

MSZ EN 15633-1:2020 Foodstuffs. Detection of food allergens by immunological methods. Part 1: General considerations – which has withdrawn the MSZ EN 15633-1:2009 –

MSZ EN 15842:2020 Foodstuffs. Detection of food allergens. General considerations and validation of methods – which has withdrawn the MSZ EN 15842:2010 –

MSZ EN 17254:2020 Foodstuffs. Minimum performance requirements for determination of gluten by ELISA

MSZ EN 17264:2020 Foodstuffs. Determination of elements and their chemical species. Determination of aluminium by inductively coupled plasma mass spectrometry (ICP-MS)

MSZ EN 17265:2020 Foodstuffs. Determination of elements and their chemical species. Determination of aluminium by inductively coupled plasma optical emission spectometry (ICP-OES)

MSZ EN 17279:2020 Foodstuffs. Multimethod for the screening of aflatoxin $B_1$, deoxynivalenol, fumonisin $B_1$ and $B_2$, ochratoxin A, T-2 toxin, HT-2 toxin and zearalenone in foodstuffs, excluding foods for infants and young children, by LC-MS/MS

MSZ EN ISO 21572:2020 Foodstuffs. Molecular biomarker analysis. Immunochemical methods for the detection and quantification of proteins (ISO 21572:2019) – which has withdrawn the MSZ EN ISO 21572:2013 –

*67.060 Cereals, pulses and derived products*

MSZ EN 17252:2020 Foodstuffs. Determination of phomopsin A in lupin seeds and lupin derived products by HPLC-MS/MS

MSZ EN 17280:2020 Foodstuffs. Determination of zearalenone and trichothecenes including deoxynivalenol and its acetylated derivatives (3-acetyl-deoxynivalenol and 15-acetyl-deoxynivalenol), nivalenol T-2 toxin and HT-2 toxin in cereals and cereal products by LC-MS/MS

*67.100. Milk and milk products*

MSZ ISO 8262-2:2020* Milk products and milk-based foods. Determination of fat content by the Weibull–Berntrop gravimetric method (Reference method). Part 2: Edible ices and ice-mixes – which has withdrawn the MSZ ISO 8262-2:1993 –

MSZ EN ISO 16297:2020 Milk. Bacterial count. Protocol for the evaluation of alternative methods (ISO 16297:2020) – which has withdrawn the MSZ EN ISO 16297:2014 –

MSZ EN ISO 8968-1:2014* Milk and milk products. Determination of nitrogen content. Part 1: Kjeldahl principle and crude protein calculation (ISO 8968-1:2014)

MSZ EN ISO 8968-4:2016* Milk and milk products. Determination of nitrogen content. Part 4: Determination of protein and non-protein nitrogen content and true protein content calculation (Reference method) (ISO 8968-4:2016)

MSZ EN ISO 17189:2004* Butter, edible oil emulsions and spreadable fats. Determination of fat content (Reference method) (ISO 17189:2003)

MSZ ISO 1738:2020* Butter. Determination of salt content

MSZ ISO 3728:2020* Ice-cream and milk ice. Determination of total solids content (Reference method)

MSZ EN ISO 7328:2009* Milk-based edible ices and ice mixes. Determination of fat content. Gravimetric method (Reference method) (ISO 7328:2008)

*67.120 Meat, meat products and other animal produce*

MSZ EN 17251:2020 Foodstuffs. Determination of ochratoxin A in pork meat and derived products by IAC clean-up and HPLC-FLD

MSZ EN 17266:2020 Foodstuffs. Determination of elements and their chemical species. Determination of organomercury in seafood by elemental mercury analysis

*67.140 Tea. Coffee. Cocoa*

MSZ ISO 3103:2020 Tea. Preparation of liquor for use in sensory tests – which has withdrawn the MSZ ISO 3103:1991 –

MSZ EN ISO 18862:2020 Coffee and coffee products. Determination of acrylamide. Methods using HPLC-MS/MS and GC-MS after derivatization (ISO 18862:2016)

MSZ EN 17250:2020 Foodstuffs. Determination of ochratoxin A in spices, liquorice, cocoa and cocoa products by IAC clean-up and HPLC-FLD

*67.200 Edible oils and fats. Oilseeds*

MSZ EN 14103:2020 Fat and oil derivatives. Fatty Acid Methyl Esters (FAME). Determination of ester and linolenic acid methyl ester contents – which has withdrawn the MSZ EN 14103:2012 –

MSZ EN ISO 17059:2020 Oilseeds. Extraction of oil and preparation of methyl esters of triglyceride fatty acids for analysis by gas chromatography (Rapid method) (ISO 17059:2019) – which has withdrawn the MSZ EN ISO 17059:2009 –

**Corrected national standards from March 2020 to May 2020**

MSZ EN ISO 5667-6:2017 Water quality. Sampling. Part 6: Guidance on sampling of rivers and streams (ISO 5667-6:2014). Mistake: on front page, Correction: which has withdrawn the MSZ ISO 5667-6:1995 and the MSZ 12750-2:1971.

**Withdrawn national standards from March 2020 to May 2020**

*67.050 General methods of tests and analysis for food products*

MSZ CR 13505:2000 Food analysis. Biotoxins. Criteria of analytical methods of mycotoxins

MSZ EN 14082:2003 Foodstuffs. Determination of trace elements. Determination of lead, cadmium, zinc, copper, iron and chromium by atomic absorption spectrometry (AAS) after dry ashing

MSZ EN 14185-1:2003 Non-fatty food. Determination of N-methylcarbamate residues. Part 1: HCPL-method with SPE clean-up

*67.120.30 Fish and fishery products*

MSZ ENV 14194:2002 Foodstuffs. Determination of saxiotoxin and dc-saxiotoxin in mussels. HPLC method using post column derivatisation

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