Anna SZALAY[1]

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 June 2022 to August 2022

07.100.30 Food microbiology

MSZ EN ISO 4833-1:2013/A1:2022 Microbiology of the food chain. Horizontal method for the enumeration of microorganisms. Part 1: Colony count at 30 °C by the pour plate technique. Amendment 1: Clarification of scope (ISO 4833-1:2013/Amd 1:2022) – which is amendment of MSZ EN ISO 4833-1:2014 –

MSZ EN ISO 4833-2:2013/A1:2022 Microbiology of the food chain. Horizontal method for the enumeration of microorganisms. Part 2: Colony count at 30 °C by the surface plating technique. Amendment 1: Clarification of scope (ISO 4833-2:2013/Amd 1:2022) – which is amendment of MSZ EN ISO 4833-2:2014 –

MSZ EN ISO 20836:2022 Microbiology of the food chain. Polymerase chain reaction (PCR) for the detection of microorganisms. Thermal performance testing of thermal cyclers (ISO 20836:2021)

13.020.55 Biobased products

MSZ EN 17399:2020 Algae and algae products. Terms and definitions

13.060 Water quality

MSZ EN ISO 5667-1:2022 Water quality. Sampling. Part 1: Guidance on the design of sampling programmes and sampling techniques (ISO 5667-1:2020) – which has withdrawn the MSZ EN ISO 5667-1:2007 –

MSZ EN ISO 10304-4:2022 Water quality. Determination of dissolved anions by liquid chromatography of ions. Part 4: Determination of chlorate, chloride and chlorite in water with low contamination (ISO 10304-4:2022) – which has withdrawn the MSZ EN ISO 10304-4:2000 –

MSZ EN ISO 13163:2022 Water quality. Lead-210. Test method using liquid scintillation counting (ISO 13163:2021) – which has withdrawn the MSZ EN ISO 13163:2019 –

MSZ EN 14614:2021 Water quality. Guidance standard for assessing the hydromorphological features of rivers

65 Agriculture

65.120 Animal feeding stuffs

MSZ EN 15784:2022 Animal feeding stuffs: Methods of sampling and analysis. Detection and enumeration of *Bacillus* spp. used as feed additive – which has withdrawn the MSZ EN 15784:2010 –

MSZ EN 15786:2022 Animal feeding stuffs: Methods of sampling and analysis. Detection and enumeration of *Pediococcus* spp. used as feed additive – which has withdrawn the MSZ EN 15786:2010 –

MSZ EN 15787:2022 Animal feeding stuffs: Methods of sampling and analysis. Detection and enumeration of *Lactobacillus* spp. used as feed additive – which has withdrawn the MSZ EN 15787:2010 –

MSZ EN 15788:2022 Animal feeding stuffs: Methods of sampling and analysis. Detection and enumeration of *Enterococcus* (*E. faecium*) spp. used as feed additive – which has withdrawn the MSZ EN 15788:2010 –

MSZ EN 15789:2022 Animal feeding stuffs: Methods of sampling and analysis. Detection and enumeration of *Saccharomyces cerevisiae* used as feed additive – which has withdrawn the MSZ EN 15789:2010 –

MSZ EN 16936:2017 Animal feeding stuffs: Methods of sampling and analysis. Screening on the antibiotics tylosin, virginiamycin, spiramycin, bacitracin-zinc and avoparcin at sub-additive levels in compound feed by a microbiological plate test

MSZ EN 16967:2017 Animal feeding stuffs: Methods of sampling and analysis. Predictive equations for metabolizable energy in feed materials and compound feed (pet food) for cats and dogs including dietetic food

[1] Hungarian Standards Institution

MSZ EN 17517:2022 Animal feeding stuffs: Methods of sampling and analysis. Determination of mineral oil saturated hydrocarbons (MOSH) and mineral oil aromatic hydrocarbons (MOAH) with on-line HPLC-GC-FID analysis

MSZ EN 17547:2022 Animal feeding stuffs: Methods of sampling and analysis. Determination of vitamin A, E and D content. Method using solid phase extraction (SPE) clean-up and high performance liquid chromatography (HPLC)

MSZ EN 17550:2022 Animal feeding stuffs: Methods of sampling and analysis. Determination of carotenoids in animal compound feed and premixtures by high performance liquid chromatography. UV detection (HPLC-UV)

67 Food technology

67.050 General methods of tests and analysis for food products

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

67.100 Milk and milk products

MSZ EN ISO 24223:2022 Cheese. Guidance on sample preparation for physical and chemical testing (ISO 24223:2021)

67.200 Edible oils and fats. Oilseeds

MSZ EN ISO 18363-1:2022 Animal and vegetable fats and oils. Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS. Part 1: Method using fast alkaline transesterification and measurement for 3-MCPD and differential measurement for glycidol (ISO 18363-1:2015)

MSZ EN ISO 18363-3:2022 Animal and vegetable fats and oils. Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS. Part 3: Method using acid transesterification and measurement for 2-MCPD, 3-MCPD and glycidol (ISO 18363-3:2017)

Corrected national standards from June 2022 to August 2022

67.120 Meat, meat products and other animal produce

MSZ ISO 23776:2021 Meat and meat products. Determination of total phosphorous content

67.200 Edible oils and fats. Oilseeds

MSZ EN ISO 18363-2:2019 Animal and vegetable fats and oils. Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS. Part 2: Method using slow alkaline transesterification and measurement for 2-MCPD, 3-MCPD and glycidol (ISO 18363-2:2018)

MSZ EN ISO 18363-4:2021 Animal and vegetable fats and oils. Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS. Part 4: Method using fast alkaline transesterification and measurement for 2-MCPD, 3-MCPD and glycidol by GC-MS/MS (ISO 18363-4:2021)

For further information please contact Ms Anna Szalay, sector manager on food and agriculture, e-mail: a.szalay@mszt.hu