

**The Appendix is an integral part of  
Certificate of Accreditation No: 688/2023 of 20/12/2023**

**Accredited entity according to ČSN EN ISO/IEC 17025:2018:**

**Veterinární univerzita Brno**  
CAB number 1795, Food Testing Laboratory - FVHE  
Palackého tř. 1946/1, 612 42 Brno

**Testing laboratory locations:**

1. **Microscopy Laboratory** Palackého tř. 1946/1, Královo Pole, 612 42 Brno
2. **Physico-Chemical Laboratory** Palackého tř. 1946/1, Královo Pole, 612 42 Brno

*The Laboratory applies a flexible approach to the scope of accreditation.*

*The current list of activities carried out within the flexible scope is publicly available at the Laboratory on the website <https://fvhe.vfu.cz/cz/akreditovana-laborator> in the form "List of activities within the flexible scope of accreditation".*

*The laboratory provides opinions and interprets test results.*

*Detailed information on the activities within the scope of accreditation (source literature) is given in the section "Specification of the scope of accreditation".*

**1. Microscopy Laboratory**

**Tests:**

Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Subject of the test	Degrees of freedom <sup>3</sup>
1	Detection of bone fragments by the histochemical method with alizarin red	SOP 01/ML	Meat products and raw materials for their production	-
2	Starch detection by the Lugol Calleja histochemical method	SOP 02/ML	Meat products and raw materials for their production	-
3	Detection of proteins (soy, wheat) by immunohistochemistry using ABC kit (Vector Laboratories)	SOP 03/ML	Meat products and raw materials for their production, baker's products	B
4	Detection of pollen grains by microscopic method	SOP 04/ML	Honey	-

<sup>1</sup> asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

<sup>2</sup> if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

<sup>3</sup> degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

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**Specification of the scope of accreditation:**

Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
1	Pospiech M., Tremlová B., Eliášová M., Talandová M. Optimalizace výpočtu obsahu kostní tkáně v histologických řezech (Optimization of bone tissue content calculation in histological sections). <i>Maso</i> . 2013, Vol. 24, no. 6, p. 25 - 28
2	Aktin N.J., Abeysekera R.M., Cheng S.L., Robards A.W. An experimentally-based predictive model for the separation of amylopectin subunits during starch gelatinization. <i>Carbohydrate Polymers</i> . 1998, vol. 36, No. 2-3, p. 173 - 192
3	Pospiech M., Tremlová B., Renčová E., Randulová Z. Immunohistochemical Detection of Soya Protein - Optimisation and Verification of the Method. <i>Czech Journal of Food Sciences</i> . 2009, vol. 27, No. 1, p. 11 - 19; Řezáčová Lukášková Z., Tremlová B., Pospiech M., Renčová E., Randulová Z., Steinhäuser L., Reichová A., Bednář J. Comparison of immunohistochemical, histochemical and immunochemical methods for detection of wheat protein allergens in meat samples and cooked, dry, raw and fermented sausage samples. <i>Food Additives and Contaminants</i> , vol 28, no. 7, 2011, p. 817 - 825; Vector Laboratories ABC kit manufacturer's manual
4	Pospiech M. et al.: Metodika semiautomatického stanovení pylového profilu - melissopalynologická analýza medu (Methodology of semi-automatic determination of pollen profile - melissopalynological analysis of honey), MZe, 2021, 42 p

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**2. Physico-Chemical Laboratory**

**Tests:**

Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Subject of the test	Degrees of freedom <sup>3</sup>
1	Determination of hydroxymethylfurfural concentration by HPLC method with UV detection	SOP 01/FCHL	Honey	-
2	Determination of diastase activity by Phadebas method	SOP 02/FCHL	Honey	-
3	Determination of moisture by refractometric method	SOP 03/FCHL	Honey	-
4	Determination of electrical conductivity by conductometric method	SOP 04/FCHL	Honey	-
5	Determination of free acidity by titration	SOP 05/FCHL	Honey	-
6	Electrometric determination of pH	SOP 07/FCHL	Honey	-
7	Determination of the concentration of glucose, fructose and sucrose and the sum of fructose and glucose contents by HPLC method with refractometric detection	SOP 06/FCHL	Honey	-

<sup>1</sup> asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

<sup>2</sup> if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

<sup>3</sup> degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

**Specification of the scope of accreditation:**

Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
1	Bogdanov S., Martin P. and Lüllmann C. Harmonised methods of the European Honey Commission. <i>Apidologie</i> . 1997, no. extra issue, p. 1-59. Revised: Bogdanov S. <i>Harmonised methods of the International Honey Commission</i> [online]. Liebefeld: Swiss Bee Research Centre, FAM, 2009, p. 1-9, 26-28. Available at: <a href="https://www.ihc-platform.net/ihcmethods2009.pdf">https://www.ihc-platform.net/ihcmethods2009.pdf</a>

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Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
2	Phadebas AB, 2021. Honey Diastase Test Instructions for use. Sweden: Phadebas AB. Revised: February 2021
3	Bogdanov S., Martin P. and Lüllmann C. Harmonised methods of the European Honey Commission. <i>Apidologie</i> . 1997, no. extra issue, p. 1-59. Revised: Bogdanov S. <i>Harmonised methods of the International Honey Commission</i> [online]. Liebefeld: Swiss Bee Research Centre, FAM, 2009, p. 1-9, 10-12. Available at: <a href="https://www.ihc-platform.net/ihcmethods2009.pdf">https://www.ihc-platform.net/ihcmethods2009.pdf</a>
4	Bogdanov S., Martin P. and Lüllmann C. Harmonised methods of the European Honey Commission. <i>Apidologie</i> . 1997, no. extra issue, p. 1-59. Revised: Bogdanov S. <i>Harmonised methods of the International Honey Commission</i> [online]. Liebefeld: Swiss Bee Research Centre, FAM, 2009, p. 1-9, 16-18. Available at: <a href="https://www.ihc-platform.net/ihcmethods2009.pdf">https://www.ihc-platform.net/ihcmethods2009.pdf</a>
5, 6	Bogdanov S., Martin P. and Lüllmann C. Harmonised methods of the European Honey Commission. <i>Apidologie</i> . 1997, no. extra issue, p. 1-59. Revised: Bogdanov S. <i>Harmonised methods of the International Honey Commission</i> [online]. Liebefeld: Swiss Bee Research Centre, FAM, 2009, p. 1-9, 21-23. Available at: <a href="https://www.ihc-platform.net/ihcmethods2009.pdf">https://www.ihc-platform.net/ihcmethods2009.pdf</a>
7	Bogdanov S., Martin P. and Lüllmann C. Harmonised methods of the European Honey Commission. <i>Apidologie</i> . 1997, no. extra issue, p. 1-59. Revised: Bogdanov S. <i>Harmonised methods of the International Honey Commission</i> [online]. Liebefeld: Swiss Bee Research Centre, FAM, 2009, p. 1-9, 46-48. Available at: <a href="https://www.ihc-platform.net/ihcmethods2009.pdf">https://www.ihc-platform.net/ihcmethods2009.pdf</a>

**Explanatory notes:**

- ABC - Avidin Biotin Complex
- HPLC - High-Performance Liquid Chromatography
- UV - Ultraviolet Radiation
- SOP - Standard Operating Procedure