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

Národní centrum zemědělského a potravinářského výzkumu, v. v. i.
CAB number 1465, Reference laboratory for GMO identification and DNA fingerprinting
Drnovská 507/73, 161 00 Praha 6 – Ruzyně

The laboratory applies a flexible approach to the scope of accreditation.

The current list of activities carried out within the flexible scope is available on the laboratory's website www.carc.cz/o-nas/referencni-laboratore in the form of the „List of activities within the flexible scope of accreditation".

The laboratory provides opinions and interpretations of the test results.

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

Tests:

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
1	Test for presence of GMO by PCR method	SOP No.1 (ČSN EN ISO 21571)	Plant material or parts thereof, food and feedstuffs including processed materials	A, B
2	Specific detection of DNA sequence by PCR method	SOP No.3 (ČSN EN ISO 21569; ČSN EN ISO 21571; EU-RL JRC methods)	Plant material or parts thereof, food and feedstuffs including processed materials	A, B
3	Quantification of transgene by Real-time PCR method	SOP No.8 (ČSN EN ISO 21570; ČSN EN ISO 21571; EU-RL JRC methods)	Plant material or parts thereof, food and feedstuffs including processed materials	A, B
4	Specific detection of DNA sequence by Real-time PCR method	SOP No.9 (ČSN EN ISO 21569; ČSN EN ISO 21571; EU-RL JRC methods)	Plant material or parts thereof, food and feedstuffs including processed materials	A, B
5	DNA-profiling using microsatellite loci in the genome DNA by fragment analysis method	SOP No.10 (ČSN EN ISO 21571)	Plant material or parts thereof, food and feedstuffs including processed materials	A, B

[1] asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises

[2] 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)

[3] 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

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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 (determined analytes)
1	Lectin (sequence specific for soya DNA), Invertase (sequence specific for maize DNA), sequence specific for P35S promoter, sequence specific for NOS terminator, sequence specific for CaMV virus.
2	P35S-pat, Bt11, Bt176, CP4 EPSPS, Fosfolipáza, GA21, GT73, Lr13, Lr19, Lr28, Lr34+Yr18, Lr35, Lr37-YrI17-Sr38, Lr46+Yr29, Lr47; Lr9, MIR604, MON810, MON863, MON88017, NK603, nptII, papain, PAT-BAR, PLA, P-NOS, P-rAct, RR, T25, T51 (Bt63), TCaMV,Yd2, Ylp, SAD, FP967, A2704, MON89788, UGP, EH92-527-1, DAS59122, MON89034, PLD, P-35S, T-NOS, CryIAb/Ac, tRNA-leu,P-FMV.
3	MON810, GA21, MON863, NK603, EPSPS/Lec, EPSPS/Adh1, GTS-40-3-2, DAS59122, T25, MON88017, Bt176, Bt11, MON89788, MON87708.
4	P35S, T-NOS, BAR, P35S-PAT, ctp2-cp4epsps, Topas 19/2, Cru, GTS 40-3-2, SS II, DP-098140-6, MIR162, SYN-3272-5, DP-356043-5, MON87701, DP-305423-1, GT73, CV127-9, MON87708, MON87769, A5547-127, Lectin HMG, P-FMV.
5	garlic: ASM035, ASM040, ASM5, ASM59, ASM072, ASM078, ASM080, ASM109, ASIntron1, ASIntron3, ASA07, ASA08, ASA10, ASA14, ASA16, ASA17. rice: RM201, RM212, RM339, ch8p6, ch8p22, vf100, vf336, vf179. hemp: ANUCS 206, ANUCS 302, ANUCS 303, ANUCS 304, ANUCS 306, ANUCS 308, ANUCS 501, CAN0009, CAN0026, CAN0033, CAN0051, STR 1528, STR 3735, STR 5159, STR 9043, STR 9269.

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
2	EU-RL JRC: EURL-MV-01/11V
3	EU-RL JRC: CRLVL15/05VR, CRLVL27/04VP, CRLVL08/04VP, CRL-VL-10/07VP, CRLVL18/04VP, CRLVL16/05VP, CRLVL25/04VR, CRLVL01/04VP, CRLVL03/05VP, CRL-VL-08/05, EURL-VL-02/11VP, CRLVL05/06VP, CRLVL05/09VP.
4	EU-RL JRC: CRLVL05/09VP, CRLVL05/09VP, CRLVL04/07VP, CRLVL03/06VP, CRLVL02/08VP, CRLVL08/08VP, CRLVL07/07VP, CRLVL26/04VP, CRLVL01/09, CRLVL07/09VP, EURL-VL-02/11VP.

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Explanations:

GMO	- Genetically Modified Organism;
PCR	- Polymerase Chain Reaction;
Real-time PCR	- Real Time Polymerase Chain Reaction;
DNA	- DeoxyriboNucleic Acid;
CaMV	- Cauliflower Mosaic Virus;
SOP	- Standard Operating Procedure;
EU-RL JRC	- European Reference Laboratory for GM Food and Feed, Join Research Centre

This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself. "