

<b>SP LABORATORIJA AD BEČEJ</b>  <b>Accreditation number: 01-018</b>	<b>LIST OF ACTIVITIES CONDUCTED UNDER THE FLEXIBLE SCOPE OF ACCREDITATION FOR METHOD OF EXAMINATION TESTING OF GENETIC MODIFICATION</b>	<b>LFO 002</b>
		Edition 2 from 18.02.2019.

Type of test and/or measured characteristic	Test object material / product	Measurement range (%)	Method/Technique	Date of the first application in flexible scope of accreditation	Validation/ Verification report	Last updated
Extraction and purification of DNA	X,Y		- ISO 21571- Foodstuffs-Method of analysis for the detection of genetically modified organisms and derived products-Nucleic acid extraction - Isolation and purification of genomic DNA with commercial kits for isolation on the basis of SDS and CTAB with purifying over silica membrane	24.06.2015	11/2014 12/2014 13/2014 14/2014 15/2014 16/2014	24.06.2015
<b>Screening of genetic elements</b>						
- Terminator T-nos	X,Y	LOD 0,05	Qualitative PCR method for detection of: - T-nos (QL-ELE-00-011)	24.06.2015	16/2014	24.06.2015
- Promotor CaMV P-35S	X,Y	LOD 0,05	Qualitative PCR method for detection of: - CaMV P-35S (QT-ELE-00-004)	24.06.2015	16/2014	24.06.2015
- Promotor P-FMV	X,Y	LOD 0,05	Qualitative PCR method for detection of: - Figwort Mosaic Virus 35S promoter (P-FMV) (QL-ELE-00-015)	28.08.2017	49/2016	28.08.2017
- Phosphinothricin N-acetyl transferase ( <b>bar</b> ) gene from bacterium <i>Streptomyces hygroscopicus</i> <sup>1)</sup>	X,Y	LOD 0,05	Qualitative PCR method for detection of: - Phosphinothricin N-acetyl transferase gene (QL-ELE-00-014)	18.02.2019	61/2017	18.02.2019
- Phosphinothricin N-acetyl transferase ( <b>pat</b> ) gene from <i>Streptomyces viridochromogenes</i> <sup>1)</sup>	X,Y	LOD 0,05	Qualitative PCR method for detection of: - Phosphinothricin N-acetyl transferase gene (QT-ELE-00-002)	18.02.2019	61/2017	18.02.2019
<b>Qualitative and Quantitative testing of genetic modification</b>						
Bt176	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Maize Line Bt 176 Using Real-time PCR (QT/EVE/ZM023)	24.06.2015	12/2014	24.06.2015
NK603	X,Y	LOD 0,05 LOQ 0,1	Event-specific method for the quantitation of maize line NK603 Using Real-time PCR (QT/ZM/008)	24.06.2015	12/2014	24.06.2015
Bt11	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Maize Line Bt11 Using Real-time PCR (QT/ZM006)	24.06.2015	12/2014	24.06.2015p5

Prepared by: E. Ivan

Approved by: A. Bauer

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MON810	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Maize Line MON810 Using Real-time PCR (QT/ZM/020)	24.06.2015	12/2014	24.06.2015
T25	X,Y	LOD 0,05 LOQ 0,1	Event-specific method for the quantitation of maize line T25 Using Real-time PCR (QT/ZM/011)	24.06.2015	12/2014	24.06.2015
GTS 40-3-2 RoundUp Ready	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Soybean Line 40-3-2 Using Real-time PCR (QT/GM/005)	24.06.2015	11/2014	24.06.2015
MON89788	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Soybean Line MON89788 Using Real-time PCR (QT/GM/006)	24.06.2015	11/2014	24.06.2015
A2704-12	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Soybean Line A2704-12 Using Real-time PCR (QT/GM/004)	24.06.2015	11/2014	24.06.2015
A5547-127	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Soybean Event A5547-127 Using Real-time PCR (QT/GM/007)	24.06.2015	11/2014	24.06.2015
DP-356043-5	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Soybean Event DP-356043-5 Using Real-time PCR (QT/GM/009)	24.06.2015	11/2014	24.06.2015
DP-305423-1	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Soybean Event DP-305423-1 Using Real-time PCR (QT/GM/008)	24.06.2015	11/2014	24.06.2015
MON87701	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Soybean MON87701 Using Real-time PCR (QT-EVE-GM-010)	24.06.2015	11/2014	24.06.2015
CV127	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Soybean Event CV127 Using Real-time PCR (QT-EVE-GM-011)	22.01.2016	11/2015	22.01.2016
MON87705	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Soybean Line MON87705 Using Real-time PCR (QT-EVE-GM-003)	22.01.2016	11/2015	22.01.2016
MON87708	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Soybean Line MON87708 Using Real-time PCR (QT-EVE-GM-012)	22.01.2016	11/2015	22.01.2016

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MON87769	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Soybean Line MON87769 Using Real-time PCR (QT-EVE-GM-002)	22.01.2016	11/2015	22.01.2016
FG72	X,Y	LOD 0,05 LOQ 0,1	Event-specific Method for the Quantification of Soybean Line FG72 Using Real-time PCR (QT-EVE-GM-001)	05.05.2017	35/2016	05.05.2017
LL62	X,Y	LOD 0,05 LOQ 0,1	Event-specific method for the quantitation of rice line LL62 Using Real-time PCR (QT/OS/002)	24.06.2015	15/2014	24.06.2015
RF3	X,Y	LOD 0,05 LOQ 0,1	Event-specific method for the quantitation of Oilseed Rape line RF3 Using Real-time PCR(QT/BN003)	24.06.2015	13/2014	24.06.2015
GT73	X,Y	LOD 0,05 LOQ 0,1	Event-specific method for the quantitation of Oilseed Rape line GT73 Using Real-time PCR(QT/BN/004)	24.06.2015	13/2014	24.06.2015
T45	X,Y	LOD 0,05 LOQ 0,1	Event-specific method for the quantitation of Oilseed Rape line T45 Using Real-time PCR (QT/BN001)	24.06.2015	13/2014	24.06.2015
H7-1	X,Y	LOD 0,05 LOQ 0,1	Event-specific method for the quantitation of sugar beet line H7-1 Using Rreal-time PCR (QT/BV/001)	24.06.2015	14/2014	24.06.2015

X - Plant materials

Y - Technologically processed products with ingredients of plant origin

Short description of the changes from the previous edition of the List of activities conducted under the flexible scope of accreditation - Testing of genetic modification (marked in gray):

- 1) extension of the measured characteristic
- 2) changes of technique
- 3) changes of method
- 4) technical changes

Chronology of change:

**18.02.2019. LFO 002 version 2:** List of activities conducted under the flexible scope of accreditation is extended with genetic elements: Phosphinothricin N-acetyl transferase (**bar**) gene from bacterium *Streptomyces hygrosopicus* and Phosphinothricin N-acetyl transferase (**pat**) gene from *Streptomyces viridochromogenes*

**18.10.2018. LFO 002 version 1:** From List of activities conducted under the flexible scope of accreditation LFO 001, version 31 from 13.08.2018., has been identified and assigned the code LFO 002.

**28.08.2017. LFO 001 version 20:** List of activities conducted under the flexible scope of accreditation is extended with genetic element P-FMV.

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**05.05.2017. LFO 001 version 14:** List of activities conducted under the flexible scope of accreditation is extended with genetic modification FG72.

**11.01.2017. LFO 001 version 11:** technical changes are introduced in the name of measured characteristics Terminator T-nos, GTS 40-3-2 RoundUp Ready, MON89788, DP-356043-5, DP-305423-1, CV127

**22.01.2016. LFO 001 version 6:** List of activities under the flexible scope of accreditation is extended with four genetic modification: CV 127, MON87705, MON87708, MON87769.

**Person responsible for the control of method "Testing of genetic modification": MS Gordana Nović**

**This list refers to the flexible part of the scope of accreditation, which is available on the website [www.ats.rs](http://www.ats.rs)**