

**General Chemical State Laboratory, A' Chemical Service of Athens, Section B'**

**GMOs Laboratory**

**List of Accredited Activities within flexible scope of accreditation of method MEΘ 15 02 ΓΤΟ-3/EYE**

Materials	Substrates	DNA Extraction methods	Types of Test	Methods for the determination of GMOs	Commission Decisions (EU)	
Foodstuffs Feeding stuffs	A1.1 Soy grains and soy flours	A1.0 Extraction using Nucleospin® foodkit, Macherey-Nagel	B1. Quantification of genetically modified maize <b>NK603</b>	Event-specific method for the quantitation of maize line NK603 using real-time PCR”, QT-EVE-ZM-008, 2005, CRL-GMFF (EURL-GMFF), European Commission, Biotechnology & GMOs Unit.	(EU) 2015/684	
			B2. Quantification of genetically modified maize <b>TC1507</b>	Event-specific method for the quantitation of maize line TC1507 using real-time PCR”, QT-EVE-ZM-010, 2005, CRL-GMFF (EURL-GMFF), European Commission, Biotechnology & GMOs Unit.	(EU) 2017/2452	
	A1.2 Maize kernels and maize flours		B3. Quantification of genetically modified soy <b>40-3-2</b>	Event-specific method for the quantification of soybean line 40-3-2 using real-time PCR”, QT-EVE-GM-005, 2009, CRL-GMFF (EURL-GMFF), European Commission, Biotechnology & GMOs Unit.	(EU) 2012/82	
	A2.1 Processed soy products		A.2.0 CTAB-based extraction (based on EAOT EN ISO 21571)	B4. Quantification of genetically modified maize <b>Bt11</b>	Event-specific method for the quantification of maize line Bt11 using real-time PCR”, QT-EVE-ZM-015, 2008, CRL-GMFF (EURL-GMFF), European Commission, Biotechnology & GMOs Unit.	(EU) 2010/419 as amended
	A2.2 Compound feeding stuffs			B5. Determination of CaMV <b>p35S</b> promoter	It is based on method B.9 of ISO 21569:2005/Amd.1:2013: «Detection of certain DNA sequences frequently used in genetically modified organisms and originating from the cauliflower mosaic virus (CaMV 35S promoter, P35S) as well as from Agrobacterium tumefaciens (T-NOS) in foodstuffs — Screening method»	

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			B6. Determination of the <b>t-NOS</b> termination sequence	It is based on method B.9 of ISO 21569:2005/Amd.1:2013: «Detection of certain DNA sequences frequently used in genetically modified organisms and originating from the cauliflower mosaic virus (CaMV 35S promoter, P35S) as well as from Agrobacterium tumefaciens (T-NOS) in foodstuffs — Screening method»	
			B7. <b>PAT</b> gene determination	Ingrid Scholtens et al. “Practical experiences with an extended screening strategy for genetically modified organisms (GMOs) in real-life samples”, J Agric Food Chem. 2013 Sep 25;61(38):9097-109.	
			B8. Determination of the generic element <b>Cry1Ab/Ac</b>	It is based on method QL-ELE-00-016 (08-05-2017) (GMO Methods: EU Database of Reference Methods)	