

Recognition of Technical Competence

National Service of Agrifood Health, Safety and Quality | April 27, 2023

The Mexican Accreditation Entity granted accreditation number SA-0338-005/11 in the branch of Agricultural Health, to the Department of Molecular Analysis and New Technologies, in the analysis of Genetically Modified Organisms (GMO) by the polymerase chain reaction technique. And to the Sequencing and Bioinformatics Area, in the analysis of the characterization of *Salmonella* spp. isolates, *Escherichia coli*, *Listeria* spp. and *Enterococcus* spp. by massive DNA sequencing

On December 12, 2011, it obtained recognition of its technical competence, impartiality and reliability of its results for the detection, identification and quantification of genetically modified sequences using the real-time polymerase chain reaction (RT-PCR) technique; on December 10, 2012, it was also accredited for the massive sequencing of nucleic acids and the analysis of genetically modified organisms using the digital PCR technique, being the first country in the world to accredit these techniques applied to the analysis of GMOs.

It is important to note that the scope of accreditation is under the standard NMX-EC-17025-INMC-2018 (ISO/IEC 17025:2018) "General requirements for the competence of testing and calibration laboratories", which includes qualitative and quantitative methodologies with the estimation of the uncertainty associated with a biological method, therefore, it is the first laboratory at the national level to include these metrological aspects of international character in a GMO test.