

# Hellenic Accreditation System



## ACCREDITATION CERTIFICATE

No. 195-9

The Hellenic Accreditation System (ESYD), as the national accreditation body of Greece in accordance with the Law 4468/2017,

### ACCREDITS

the  
Testing Laboratories

“QACS Ltd.”

&

“QACSFOOD”

of

**Quality Assurance & Control Systems Ltd.**

in Metamorphosis, Attica and in Piraeus, Greece

under the terms of the ELOT EN ISO/IEC 17025:2017 Standard and the ESYD Criteria, to carry out tests, as specified in the attached Scope of the Accreditation, which may be revised by decisions of ESYD.

The initial accreditation was issued on 09.03.2005. This Certificate is valid until 08.03.2025 provided that the accredited bodies comply with the above Standard and the ESYD Criteria.

Athens, 11<sup>th</sup> of January 2024



# Hellenic Accreditation System



Annex F1/A11 to the Certificate No. **195-9**

## SCOPE of ACCREDITATION

of the  
Testing Laboratory  
of  
**Quality Assurance & Control Systems Ltd.**  
(QACS Ltd.)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
<b>Microbiological Tests</b>		
1. Food, animal feed, animal faeces, and environmental samples from the primary production stage	Detection of <i>Salmonella</i> spp. except <i>S. typhi</i> and <i>S. Paratyphi</i>	ISO 6579-1:2017
2. Cosmetics	1. Preservation efficacy test (challenge test) <i>Pseudomonas aeruginosa</i> , <i>Staphylococcus aureus</i> , <i>Escherichia coli</i> , <i>Candida albicans</i> , <i>Aspergillus brasiliensis</i>	European Pharmacopoeia, current edition, Chap. 5.1.3 ISO 11930:2019
	2. Enumeration of Total Aerobic Microbial Count (TAMC) of non-sterile products	European Pharmacopoeia, current edition, Chap. 2.6.12
	3. Enumeration of Total Combined Yeasts and Mould Count (TYMC) of non-sterile products	European Pharmacopoeia, current edition, Chap. 2.6.12
	4. Detection of <i>Escherichia coli</i> of non-sterile products	European Pharmacopoeia, current edition, Chap. 2.6.13
	5. Detection of <i>Pseudomonas aeruginosa</i> of non-sterile products	European Pharmacopoeia, current edition, Chap. 2.6.13
	6. Detection of <i>Staphylococcus aureus</i> of non-sterile products	European Pharmacopoeia, current edition, Chap. 2.6.13
	7. Detection of <i>Candida albicans</i> of non-sterile products	European Pharmacopoeia, current edition, Chap. 2.6.13
3. Potable water	1. Enumeration of the total aerobic microorganisms at $22 \pm 2$ °C and $36 \pm 2$ °C	ISO 6222:1999
	2. Detection and enumeration of <i>Escherichia coli</i> and total coliform bacteria	ISO 9308-1:2014/Amd-1(2016)



Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
4. Potable and swimming pool waters	Detection and enumeration of <i>Pseudomonas aeruginosa</i>	ISO 16266-2:2006
5. Chemical disinfectants and antiseptics	1. Testing of disinfecting efficacy	EN 14885:2018
	2. Quantitative suspension tests (phase 1 & phase 2, step 1 )	EN 1040:2005
		EN 1276:2019
		EN 1650:2019
		EN 1656:2019
		EN 13624:2021
		EN 13727:2012+A2:2015
		EN 1657:2016
		EN 13704:2018
		EN 14476:2013+A2:2019
	3. Quantitative carrier tests, Quantitative tests on porous or non-porous surfaces with or without mechanical action, (Phase 2, step 2)	EN 13697:2015+A1:2019
		EN 14561:2006
		EN 14562:2006
		EN 16615:2015
		EN 14349:2012
		EN 16438:2014
		EN 17387:2021
	4. Evaluation of Hygienic Handwash efficacy (phase 2/step 2)	EN 1499:2013
	5. Evaluation of Hygienic Handrub efficacy (phase 2/step 2)	EN 1500:2013
	6. Evaluation of surgical hand disinfection efficacy (phase 2/step 2)	EN 12791:2016+A1:2017
<b>Biological - Molecular Tests</b>		
1. Soya: Seeds, food (grains, flour), feed Soya: Seeds, food (seeds, flour, processed), feed	1. Screening method for genetically modified organisms (GMOs), by the detection of CaMV 35S promoter, nopaline synthase terminator (NOS)	Real-Time PCR, based on: a) ISO 21570:2005 b) ISO 21569:2005/Amd1:2013 DNA extraction with CTAB method (ISO 21571:2005) and by using Nucleospin Food Kit
	2. Detection of event MON89788 soya	Real-Time PCR, based on: CRLVL05/06VP JRC, CRL GMFF: Protocol MON89788 soybean (2008) DNA extraction with CTAB method (ISO 21571:2005) and by using Nucleospin Food Kit

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	3. Detection of event Roundup Ready (GTS 40-3-2) soya	Real Time PCR, based on ISO 21570:2005 TC2006 DNA extraction with CTAB method (ISO 21571:2005/Amd1:2013) and by using Nucleospin Food Kit
	4. Screening method for genetically modified organisms (GMOs), by the detection of FMV promoter.	Real Time PCR based on ISO 21571:2005 and ISO TS 21569-5:2016 DNA extraction with CTAB method (ISO 21571:2005/Amd1:2013) and by using Nucleospin Food Kit
	5. Quantification of genetically modified event Roundup Ready Soya (GTS 40-3-2)	Real Time PCR based on ISO 21570:2005 TC2006 DNA Isolation according to ISO 21571 (CTAB method) using NucleoSpin Food kit.
	6. Screening method for genetically modified organisms (GMOs), by the detection of elements PAT and ctp2-cp4-epsps	Real Time PCR based on a) PAT: Weighardt F et al, AOAC (2004) b) EPSPS: ISO 21569/2011 DNA extraction with CTAB method (ISO 21571:2005) and by using Nucleospin Food Kit
2. Maize: Seeds, food (grains, flour), feed	1. Screening method for genetically modified organisms (GMOs), by the detection of CaMV 35S promoter, nopaline synthase terminator (NOS)	Real Time PCR, based on a) ISO 21570:2005 and b) ISO 21569:2005/Amd1:2013 DNA extraction with CTAB method (ISO 21571:2005) and by using Nucleospin Food Kit
	2. Screening method for genetically modified organisms (GMOs), by the detection of elements PAT and ctp2-cp4-epsps	Real Time PCR based on a) PAT: Weighardt F et al, AOAC (2004) b) EPSPS: ISO 21569/2011 DNA extraction with CTAB method (ISO 21571:2005) and by using Nucleospin Food Kit
	3. Screening method for genetically modified organisms (GMOs), by the detection of event MON810	Real Time PCR based on a) ISO 21570:2005 b) CRL-VL-25/04VR, JRC (2006) DNA extraction with CTAB method (ISO 21571:2005) and by using Nucleospin Food Kit
	4. Screening method for genetically modified organisms (GMOs), by the detection of event NK603	Real Time PCR based on CRLVL27/04VP, JRC (2005) DNA extraction with CTAB method (ISO 21571:2005) and

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
		by using Nucleospin Food Kit
	5. Quantification of genetically modified maize, by the detection of element CamV P35S	Real Time PCR based on a) ISO 21570:2005 b) ISO 21569:2005/Amd1:2013 DNA extraction with CTAB method (ISO 21571:2005) and by using Nucleospin Food Kit
3. Cotton: Seeds	Screening method for genetically modified organisms (GMOs), by the detection of CaMV 35S promoter, nopaline synthase terminator (NOS)	Real Time PCR based on a) ISO 21569:2005/Amd1:2013 and b) CRLVL13/04VP, JRC, CRL-GMFF Protocol LL Cotton 25 (2007) DNA extraction with CTAB method (ISO 21571:2005) and by using Nucleospin Food Kit
4. Colonies of microorganisms derived from Food, Drugs, Cosmetics or Environmental Samples	Identification of microorganisms	Sanger Sequencing according to MM09A2E_Nucleic Acid Sequencing Methods in Diagnostic Laboratory Medicine 2nd edition MM18Ed2E_Interpretive Criteria for Identification of Bacteria Fungi by Targeted DNA Sequencing
5. Cheese	Screening method for presence of bovine milk	Real Time PCR method based on ISO 20224-1 2020, DNA extraction by using Nucleospin Food Kit
6. Foodstuffs, cosmetics	Screening method for presence of pork DNA, HALAL	Real Time PCR method based on Sure Food Animal ID Pork Sens Plus kit of CONGEN, DNA extraction by using Nucleospin Food Kit

Site of assessment: **Permanent laboratory premises, Antigonis 1, 14451, Metamorfossi, Greece**  
Approved signatories: **D. Melissos, S. Simpson, G. Lagiopoulos, V. Beletsiotis, Ag. Stathopoulos**

This scope of Accreditation replaces the previous one, dated 06.03.2023.  
The Accreditation Certificate No. **195-9**, according to ELOT EN ISO/IEC 17025:2017, is valid until 08.03.2025.

Athens, 11<sup>th</sup> of January 2024

