



TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory

TARIM VE ORMAN BAKANLIĞI /İSTANBUL GIDA KONTROL LABORATUVAR MÜDÜRLÜĞÜ

Central Address: ŞENLİKKÖY MAH. FLORYA CAD. No:78 /1/1 BAKIRKÖY/İSTANBUL İstanbul / Türkiye

is accredited in accordance with TS EN ISO/IEC 17025:2017 standard within the scope given in Annex following the assessment conducted by TURKAK.

Accreditation Number : AB-0026-T

Accreditation Date : 17.05.2004

Revision Date / Number : 10.04.2025 / 18

This certificate shall remain in force until **19.12.2028**, subject to continuing compliance with the standard **TS EN ISO/IEC 17025:2017**, related regulations and requirements.

Gülden Banu Müderrisoğlu
Secretary General



Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Agreement (MRA) in the scope of ISO/IEC 17025.

This document has been signed by Gülden Banu Müderrisoğlu with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.

 Türk TS EN ISO/IEC 17025 AB-0026-T	TARIM VE ORMAN BAKANLIĞI /İSTANBUL GIDA KONTROL LABORATUVAR MÜDÜRLÜĞÜ	
	Accreditation Nr: AB-0026-T Revision Nr: 18 Date: 10.04.2025	
	Testing Laboratory	
Address : ŞENLİKÖY MAH. FLORYA CAD. No:78 /1/1 BAKIRKÖY/İSTANBUL İstanbul / Türkiye		Phone : +212 212 663 3959 Fax : - Email : istanbul.gidalab@tarimorman.gov.tr Website : https://gidalab.tarimorman.gov.tr/istanbul

Food and Feed Products		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Food, Food additives and supplements	Analysis of Sum of dioxins (WHO-PCDD/F-TEQ), Sum of dioxins and dioxin-like PCBs (WHOPCDD/F-PCBTEQ) Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180 (ICES - 6) HR GCMS Method	EPA 1613 EPA1668B
Feed and feed additives	Analysis of Sum of dioxins (WHO-PCDD/F-TEQ), Sum of dioxins and dioxin-like PCBs (WHOPCDD/F-PCBTEQ) Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180 (ICES - 6) HR GCMS Method	TS EN 16215
Food, Feed, Seed	GMO Screening Analysis (p35S,tNOS, bar gene, pFMV) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKLM.AT.10.02".Rev.0 3 (Modified from EUR 24526 EN), ISO 24276, ISO 21569 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed, Seed	Detection and Quantification of Soybean Event 89788 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-006), ISO 21570, ISO 24276 Kit Metodu (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed, Seed	Detection and Quantification of Soybean Event A2704-12 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-004), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed, Seed	Detection and Quantification of Soybean Event MON 40-3-2 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-005), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed, Seed	Detection and Quantification of Maize Event MON 89034 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-018), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event MON 810 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-020), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event MIR 604 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-013), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571



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Food, Feed and Seed	Detection and Quantification of Maize Event DAS 59122 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-012), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event Bt11 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-015), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event MON 863 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-009), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event MON 88017 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-016), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event NK603 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-008), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event TC 1507 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-010), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event GA21 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-014), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event Bt176 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-023), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Potato Event EH92-527-1 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ST-001), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Cotton Event LLCotton25 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GH-002), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Sugarbeet Event H7-1 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-BV-001), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571



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Food, Feed and Seed	Detection and Quantification of Cotton Event MON 531 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GH-004), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Cotton Event MON 1445 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GH-003), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Cotton Event MON 15985 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GH-005), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Oilseed Rape Event Ms8 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-BN-002), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Oilseed Rape Rf3 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-BN-003), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Oilseed Rape RT73 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-BN-004), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Oilseed Rape Event T45 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-BN-001), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection of Taxon Specific Soybean Gene Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-TAX-GM-002), ISO 21569, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection of Taxon Specific Maize Gene Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-TAX-ZM-002), ISO 21569, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection of Taxon Specific Sugarbeet Gene Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-TAX-BV-013), ISO 21569, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection of Taxon Specific Oilseed Rape Gene Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-TAX-BN-012), ISO 21569, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571



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Food, Feed and Seed	Detection of Taxon Specific Cotton Gene Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-TAX-GH-015), ISO 21569, ISO 24276 Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure, ISO 21571
Food, Feed and Seed	Detection of Taxon Specific Potato Gene Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-TAX-ST-010), ISO 21569, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Soybean Event DP-356043-5 Real Time PCR Method Ön İşlem: DNA Ekstraksiyonu	EURL Method (QT-EVE-GM-009), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Soybean Event A5547-127 Real Time PCR Method Ön İşlem: DNA Ekstraksiyonu	EURL Method (QT-EVE-GM-007), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Soybean Event MON 87701 Real Time PCR Method Ön İşlem: DNA Ekstraksiyonu	EURL Method (QT-EVE-GM-010), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event T25 Real Time PCR Method Ön İşlem: DNA Ekstraksiyonu	EURL Method (QT-EVE-ZM-011), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event 3272 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-019), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event MIR162 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-022), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Cotton Event 281-24-236 Real Time PCR Method Pretreatment: DNA extraction	EURL Method (QT-EVE-GH-001A), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Cotton Event 3006-210-23 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GH-001B), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Cotton Event GHB614 Real Time PCR Method Ön İşlem: DNA Ekstraksiyonu	EURL Method (QT-EVE-GH-006), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571



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Food, Feed and Seed	Detection and Quantification of Oilseed Rape Event Ms1 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-BN-005), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Oilseed Rape Event Topas 19/2 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-BN-008), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Soybean Event CV127 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-011), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Soybean Event DP-305423-1 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-008), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Soybean Event MON87705 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-003), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Soybean Event MON87708 Real Time PCR Method Pretreatment: DNA extraction	EURL Method (QT-EVE-GM-012), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Soybean Event MON87769 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-002), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event MON87460 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-005), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Oilseed Rape Event MON88302 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-BN-010), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Cotton Event MON88913 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GH-007), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Cotton Event T304-40 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GH-009), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571



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Food,Feed	Detection of pork (<i>Sus scrofa</i>) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKLM.AT.10.33" Rev.01 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food, Feed	Detection of chicken (<i>Gallus gallus</i>) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKLM.AT.10.05" Rev.03 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food, Feed	Detection of horse (<i>Equus caballus</i>) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKLM.AT.10.34" Rev.00 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food, Feed	Detection of donkey (<i>Equus asinus</i>) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKLM.AT.10.34" Rev.00 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food, Feed	Detection of sheep (<i>Ovis aries</i>) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKLM.AT.10.35" Rev.00 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food,Feed	Detection of goat (<i>Capra hircus</i>) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKLM.AT.10.35" Rev.00 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food,Feed	Detection of turkey (<i>Meleagris gallopavo</i>) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKLM.AT.10.06" Rev.03 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food,Feed	Detection of cattle (<i>Bos taurus</i>) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKLM.AT.10.07" Rev.02 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food,Feed and Seed	Detection and Quantification of Soybean Event FG72 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE- GM-001), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food,Feed and Seed	Detection and Quantification of Maize Event MON 87427 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE- ZM-003), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food,Feed and Seed	Detection and Quantification of Maize Event DAS-40278-9 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE- ZM-004), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571



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Food,Feed and Seed	Detection and Quantification of Cotton Event GHB119 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GH-008), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food,Feed and Seed	Detection of Taxon Specific Rice Gene Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-TAX-OS-017), ISO 21569, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Rice Event LLRice62 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-OS-002),ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food,Feed and Seed	Detection and Quantification of Soybean Event DAS-68416-4 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-013), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food,Feed and Seed	Detection and Quantification of Soybean Event DAS-81419-2 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-014), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food,Feed and Seed	Detection and Quantification of Soybean Event DAS-44406-6 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-015), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food,Feed and Seed	Detection and Quantification of Soybean Event MON87751-7 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-016), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food,Feed and Seed	Detection and Quantification of Maize Event 5307 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-002), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food,Feed and Seed	Detection and Quantification of Maize Event MON87411 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-024), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food,Feed and Seed	MON87403 Corn Identification and Qualification Test Real Time PCR Method Pretreatment: DNA extraction	EURL Method (QT-EVE-ZM-025), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event 4114 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-026), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571



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Food, Feed and Seed	Detection and Quantification of Maize Event MZHGOJG Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-027), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food, Feed and Seed	Detection and Quantification of Soybean Event SYHT0H2 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-017), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Prosedürü), ISO 21571
Food, Feed and Seed	Detection and Quantification of Soybean Event GMB151 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-018), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Prosedürü), ISO 21571
Food, Feed and Seed	Detection and Quantification of Maize Event MZIR098 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-028), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Prosedürü), ISO 21571
Food, Feed and Seed	Detection and Quantification of Cotton Event GHB811 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GH-013), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Prosedürü), ISO 21571
Food, Feed and Seed	Detection and Quantification of Oilseed Rape Event DP-073496-40 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-GM-009), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Prosedürü), ISO 21571
Food, Feed	Species Identification (Detection of carp fish (<i>Cyprinus caprio</i>) DNA) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKL.AT.10.63" Rev.00 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food, Feed	Species Identification (Detection of seabass (<i>Dicentrarchus labrax</i>) DNA) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKL.AT.10.64" Rev.00 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food,Feed	Species Identification (Detection of sea bream (<i>Sparus aurata</i>) DNA) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKL.AT.10.65" Rev.00 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food, Feed	Species Identification (Detection of rainbow trout (<i>Oncorhynchus mykiss</i>) DNA) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKL.AT.10.66" Rev.00 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food, Feed	Species Identification (Detection of atlantic salmon (<i>Salmo salar</i>) DNA) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKL.AT.10.67" Rev.00 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)



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Food, Feed	Species Identification (Detection of brown trout (<i>Salmo trutta</i>) DNA) Real Time PCR Method Pretreatment:DNA Extraction	In-house Method "IGKL.AT.10.68" Rev.00 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure)
Food, feed, environmental samples, Food contact material	Enumeration of Mesophilic aerobic bacteria Pour Plate Technique	ISO 4833-1
Food,Feed	Enumeration of Coliforms Colony Count Technique	ISO 4832
Food,Feed	Enumeration of Coliform bacteria and <i>E.coli</i> by MPN technique	FDA BAM Chapter 4
Food,Feed	Enumeration of yeast and mold Colony Count Technique	ISO 21527-1 ISO 21527-2
Food, Feed, environmental samples, Food contact material	Detection of <i>Salmonella</i> spp.	ISO 6579-1 AOAC 2013-02
Food , Feed	Enumeration of Coagulase positive Staphylococci (<i>Staphylococcus aureus</i> and other species) Colony Count Technique	ISO 6888-1
Food,Feed	Detection of <i>Listeria</i> spp.	ISO 11290-1
Food,Feed	Detection of <i>Listeria monocytogenes</i>	ISO 11290-1 AOAC 2013-12
Food , Feed	Detection of <i>E.coli</i> O157:H7	FDA BAM Chapter 4A BAX System Q7 PCR Method
Food , Feed	Detection of <i>E.coli</i> O157	ISO 16654
Food,Feed, environmental samples, Food contact material	Enumeration of <i>E.coli</i> by colony count technique	ISO 16649-2
Food,Feed	Enumeration of <i>Clostridium perfringens</i> Colony Count Technique	ISO 15213-2
Food, Feed	Enumeration of <i>Enterobacteriaceae</i> by MPN technique	ISO 21528-1
Food , Feed	Detection of <i>Camphylobacter</i> spp	ISO 10272-1 BAX System Q7 PCR Method
Food , Feed	Enumeration of Sulphit Reducing <i>Clostridium</i> spp Colony Count Technique	ISO 15213-1
Food,Feed	Enumeration of <i>Escherichia coli</i> by MPN technique	ISO 16649-3 ISO 7251
Food ,Feed	Enumeration of <i>Enterobacteriaceae</i> Colony Count Technique	ISO 21528-2
Food , Feed	Detection of <i>Cronobacter</i> spp.	ISO 22964 BAX System Q7 PCR Method



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Food, Feed	<i>Bacillus cereus</i> Count Colony Count Technique	ISO 7932
Food , Feed	Detection of <i>Vibrio cholerae</i> and <i>Vibrioparahaemolyticus</i>	ISO/TS 21872-1
Food ,Feed	Detection of yeast and mold	BAX System Q7 PCR Method
Food,Feed	Detection of Staphylococcal enterotoxins	EU-RL European Screening Method Ver.5
Salmonella isolates	<i>Salmonella</i> spp. serotyping (<i>Salmonella</i> Typhimurium and <i>Salmonella</i> Enteritidis)	ISO 6579-3
Food,Feed, environmental samples, Food contact material	<i>Campylobacter</i> spp enumeration Colony Count Technique	ISO 10272-2
Meat and Meat Products	Detection of Poultry, beef, sheep, horse in meat ELISA Method Pretreatment: Protein Extraction	Elisa-Tek, Cooked Species Identification Test Prosedure
Marine mollusks	Determination of biotoxins (PSP group: STX, NEO, dc-STX, GTX1&4, GTX 2&3, C1&C2, dcGTX2&3, dc Neo, GTX5,) HPLC-FLD Method	AOAC.2005.06
Marine mollusks	Determination of biotoxins (DSP group) : Ocadaic Acid (OA), Dinophisistoxin-1 (DTX1), Dinophisistoxin-2 (DTX2), Azaspiracid-1 (AZA1), Azaspiracid-2 (AZA2), Azaspiracid-3 (AZA3), Yessotoxin(YTX), homoYessotoxin (homo YTX) LC-MS/MS Method	EU Un.Ref.Lab.For Marine Biotoxins EU Har. Std.Opr. Proc.For Det Of Lipophilic Mar.Biotox In Molluscs by LC-MSMS Ver 5, January 2015
Marine mollusks	Determination of biotoxins (ASP group) (Domoic acid) LC-MS/MS Method	EU Un.Ref.Lab. For Marine Biotoxins EU Har.Std.Opr.Proc.For Det Of ASP Toxins In Moluscs By UPLC-MS Ver 1
Marine mollusks	Determination of Biotoxins (DSP group) (PTX-2) LC-MS/MS Method	European Union Reference Laboratory For Marine Biotoxins,EU Harmonised Standard Operating Procedure for determination of Lipophilic marine biotoxins in molluscs by LC MS/MS ,Ver 5, January 2015
Marine mollusks	Determination of ASP group biotoxins (Domoic Acid) HPLC-DAD Method	EU-Harmonised Standard Operating Procedure for determination of domoic acid in shellfish and finfish by RP-HPLC using UV detection
Fish and Products	Determination of Histamin LC-MS/MS Method	In-house Method "IGKL.AT.07.33 / Rev No:02 (Modified from J.Of Agricultural and Food Chemistry,60,5324-5329
Red pepper	Determination of Multi Mycotoxin (Aflatoxin B ₁ ,B ₂ ,G ₁ ,G ₂ ,Total Aflatoxin,Ochratoxin A) LC-MS/MS Method	In-house Method "IGKL.AT.07.34/ Rev No:00 " (Modified from Development and validation of a Quechers based liquid chromatography tandem mass spectrometry method for the determination of multiple mycotoxins in spices, J.Of ChrA, 1297)



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Nuts,oily seeds and their products	Determination of MultiMycotoxin (Aflatoxin B ₁ ,B ₂ ,G ₁ ,G ₂ ,Total Aflatoxin) LC-MS/MS Method	In-house Method "IGKL.AT.07.31 / Rev No:02" (Modified from Development and validation of a liquid chromatography tandem mass spectrometric method for the determination of 39 mycotoxins in wheat and maize, Rapid Communications in Mass Spectrometry; 20:2649-2659)
Nuts,oily seeds,cereals and their products	Determination of Aflatoxin B ₁ ve Total Aflatoxin (B ₁ +B ₂ +G ₁ +G ₂) HPLC -FLD Method	AOAC 991.31
Dried Fruits,Red Pepper and their products	Determination of Aflatoxin B ₁ ve Total Aflatoxin (B ₁ +B ₂ +G ₁ +G ₂) HPLC -FLD Method	AOAC 999.07
Feed (Mixed)	Determination of Aflatoxin B ₁ ve Total Aflatoxin (B ₁ +B ₂ +G ₁ +G ₂) HPLC-FLD Method	AOAC 2003.02
Milk and Milk Powder	Determination of Aflatoxin M ₁ HPLC-FLD Method	ISO 14501
Cheese and cheese species	Determination of Aflatoxin M ₁ HPLC -FLD Method	In-house method "IGKL.AT.07.17/Rev No:00" (Modified from J.of Chromatography 474, 457-461)
Cereals and their products	Determination of Ochratoxin A HPLC -FLD Method	AOAC 2000.03
Dried Fruits	Determination of Ochratoxin A HPLC-FLD Method	In-house method" IGKL.AT.07.14 /Rev No:03" (Modified from VICAM-Procedure for Currants and Raisins
Apple juice, apple vinegar,apple sauce	Determination of Patulin HPLC -DAD Method	In-house method "IGKL.AT.07.21/ Rev No:01" (Modified from AOAC 2002.02)
Cereals, legumes and their products	Determination of Multi Mycotoxin (Aflatoxin B ₁ ,B ₂ ,G ₁ ,G ₂ ,Ochratoxin A,Deoxynivalenol,Zearelenon,Fumonisin B ₁ ,Fumonisin B ₂ , Fumonisin (FB ₁ +FB ₂), T-2 Toxin,HT-2 Toxin) LC-MS/MS Method	In-house method "IGKL.AT.07.39/ Rev No:00 " (Modified from Multi Component Mycotoxin Analysis Using LC/MS/MS, Agilent App:00394)
Feed	Determination of Multi Mycotoxin (Aflatoxin B ₁ ,Ochratoxin A, Deoxynivalenol, Zearelenon, Fumonisin B ₁ , Fumonisin B ₂ , Fumonisin (FB ₁ +FB ₂), T-2 Toksin,HT-2 Toksin) LC-MS/MS Method	In house method "IGKL.AT.07.41/ Rev No:00" (Modified from Multi Component Mycotoxin Analysis Using LC/MS/MS, Agilent App:00394)
Rice and rice-containing products	Determination of Citrinin LC-MS/MS Method	In house method "IGKL.AT.07.40 /Rev No:00" (Modified from Multi Component Mycotoxin Analysis Using LC/MS/MS, Agilent App:00394)
Spices (Thyme, Oregano, Cumin, Linden , daphne , seasoning herbs) Tea (Herbal tea) , Honey, Propolis	Determination of Pyrrolizidine Alkaloids <u>Pyrrolizidine Alkaloid (PA) Groups</u> [(28 number)](Echimidine(Em) , echimidine-N-oxide(EmN) , erucifoline(Er) ,erucifoline-N-oxide(ErN) , eupopine (Eu), eupopine-N-oxide (EuN),heliotrine (Hn),heliotrine-N-oxide(HnN),intermedine (Im), intermedine-N-oxide (ImN), jacobine (Jb), jacobine-N-oxide(JbN) , lasiocarpine (Lc) , lasiocarpine-N-oxide (LcN), lycopsamine (La), lycopsamine-N-oxide (LaN), monocrotaline (Mc), monocrotaline-N-oxide (McN), retrorsine (Re), retrorsine-N-oxide (ReN), senecionine (Sc), senecionine-N-oxide (ScN) , seneciphyline (Sp), seneciphyline-N-oxide (SpN), senecivernine (Sv), senecivernine-N-oxide (SvN),senkirkine (Sk), trichodesmine (Td)] LC-MS/MS Method	In house method "IGKL.AT.07.45/00" (Modified from 5991-7301EN application note



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Meat and Meat Products	Detection of Internal Organ and Foreign Tissue Histological Method	TS 13511
Food	Determination of Benzoic Acid and Sorbic Acid HPLC-UV/DAD Method	NMKL 124
Food	Determination of Acesulfame-K and Saccharine HPLC-UV/DAD Method	JAOAC Vol:76 No:2
Food	Determination of Aspartame HPLC-UV/DAD Method	NMKL 142
Meat and Meat Products	Determination of Starch Enzymatic Method	TS ISO 13965
Food (Except for products that naturally contain sulfur dioxide in their structure.)	Determination of Sulfur dioxide (SO ₂) Titrimetric Method	AOAC 962.16
Vegetables	Analysis of Nitrate HPLC-UV/DAD Method	NMKL 165
Honey	C13/C12 Ratio and % C4 Determination EA-IRMS Method	AOAC 998.12
Food	Determination of PHB (Methyl, Ethyl and Propyl P-Hydroxybenzoate) HPLC-DAD Method	Inhouse metod "IGKL.AT.04.04/Rev No:01" (Modified fromNMKL 124)
Energy drink	Determination of Taurine LC-MS/MS Method	In-house Method "IGKL.AT.04.13/Rev No:00" (Modified from Simultaneous determination of taurine, glucuronolactone and glucuronic acid in energy drinks by ultra high performance liquid chromatography- tandem mass spectrometry (triple quadrupole), Journal of Chromatography A, 1364 (2014) 303-307)
Red Chilli Powder, Red Powdered Pepper	Determination of Sudan Dyes (Dimethyl Yellow, (Sudan Yellow), Fast Garnet GBC, Rhodamine B, Sudan I, Sudan II, Sudan III, Sudan IV, Sudan Orange G, Sudan Red 7B, Sudan Red B, Sudan Red G, Sudan Black B) LC-MS/MS Method	In-house Method " IGKL.AT.04.60/Rev No:07" (Modified from LC-MS Determination of Sudan Dyes in Chili Oleoresin Waters Application Note, AB Sciex. Quantitation and Identification of 13 azo- dyes in spices using LC- MS/MS)
Honey	Determination of Sugar Components (Fructose, Glucose, Saccharose) analysis	AOAC 980.13
Honey	Determination of HMF Spectrophotometric Method	IHC (Section :5.2)
Honey	Determination of Diastase Number Spectrophotometric Method	IHC (Section :6.2)
Food and Feed	Determination of Protein Dumas Method	AOAC 992.15



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Meat and meat products	Determination of Fat Acid Hydrolysis Method	TS 1744
Fruit and Vegetable Products, Vinegar	Determination of Total Acidity	TS 1125 ISO 750
Feed	Determination of Raw Ash	TS ISO 5984
Feed	Determination of Crude Cellulose	TS 324
Feed	Determination OF Crude Oil Acid Hydrolysis Method	In-house Method "IGKL.AT.03.109/Rev No:00 " (Modified from TS 1744)
Cheeses	Determination of Fat Content Van Gulik Method	TS ISO 3433
Yoghurt	Determination of Fat	TS 1330
Butter	Determination of Fat	Determination of fat in butter By Gerber Method FAO Laboratory Manual
Milk and Milk Products	Searching for non-milk fat GC-FID Method	TS EN ISO 17678, (EC) No Directive 273/2008
Tea, coffee and soft drinks	Determination of Caffeine HPLC-UV/DAD Method	JAOAC Vol.76 No.2
Tea	Determination of Total Ash	TS 1564
Ground Cocoa	Determination of Total Ash	TS 3076/1
Cereals and Cereal Products	Determination of Total Ash	AOAC 923.03
Animal and Vegetable Fats and Oils	Determination of Fatty Acids Composition (Including Methyl Esters, Erucic Acid, Total Saturated Fatty Acids, Total Unsaturated Fatty Acids, Total Monounsaturated Fatty Acids, Total Polyunsaturated Fatty Acids, Total Trans Fatty Acids) [Butyric Acid (C4:0),Caproic Acid (C6:0), Caprylic Acid (C8:0),Capric Acid (C10:0), Undecanoic Acid (C11:0),Lauric Acid (C12:0), Tridecanoic Acid (C13:0),Myristic Acid (C14:0), Myristoleic Acid (C14:1), Pentadecanoic Acid (C15:0), cis-10 -pentadecenoic Acid (C15:1), Palmitic Acid (C16:0), Palmitoleic Acid (C16:1), Heptadecanoic Acid (C17:0), cis-10-Heptadecenoic Acid (C17:1), Stearic Acid (C18:0), Oleic Acid (C18:1n9c), Elaidic Acid (C18:1n9t), Linoleic Acid (C18:2n6c) ,Linolelaidic Acid (C18:2n6t), Gamma-Linolenic Acid (C18:3n6), Alpha Linolenic Acid (C18:3n3), Arachidic Acid (C20:0), cis-11-Eicosenoic Acid (C20:1n9), cis-11,14-Eicosadienoic Acid (C20:2),cis-8,11,14-Eicosatrienoic Acid (C20:3n6),cis-11,14,17-Eicosatrienoic Acid (C20:3n3),Arachidonic Acid t (C20:4n6), cis-5,8,11,14,17 Eicosapentaenoic Acid (C20:5n3),Heneicosanoic Acid (C21:0), Behenic Acid (C22:0), Erucic Acid (C22:1n9),cis-13,16-Docosadienoic Acid (C22:2), cis-4,7,10,13,16,19-Docosahexanoic Acid (C22:6n3), Trichosanoic Acid (C23:0),Lignoceric Acid (C24:0), Nervonic Acid (C24:1n9)] GC-FID Method	2014-53 TS EN ISO 12966-1, TS EN ISO 12966-2, TS EN ISO 12966-4
Animal and vegetable solid and liquid oils	Determination of free fatty acidity	TS EN ISO 660
Animal and Vegetable Fats and Oils	Determination of Trans fatty acids (C 18:1 Trans , C 18:2 Trans , C 18:3 Trans) GC-FID Method	TGK 2014/53 TS EN ISO 12966-1, TS EN ISO 12966-2, TS EN ISO 12966-4
Alcoholic beverages, energy drinks	Determination of alcohol by volume Alkolyzer Device Method	Consleg 2000R2870- Method B S. 12-13



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Distilled alcoholic beverages	Ethyl alcohol analysis GC-FID Method	AOAC 984.14
Meat and meat products	Determination of pH Potentiometric Method	TS 3136 ISO 2917
Fruit and vegetable products	Determination of pH potentiometric method	TS 1728 ISO 1842
Fruit and Vegetable Juices	Determination of pH Potentiometric Method	TS EN 1132
Meat and meat products	Determination of Moisture	TS ISO 1442
Tea	Determination of Moisture	TS 1562
Roasted and Granulated coffee	Determination of Moisture	TS ISO 11294
Granulated Cocoa	Determination of Moisture	TS ISO 11294
Cocoa Beans	Determination of Moisture	TS ISO 2451
Grain and Grain Products	Determination of Moisture	TS EN ISO 712
Milk Powder	Determination of Moisture	TS 1329
Coffee Beans	Determination of Moisture	TS 2314
Instant Coffee	Determination of Moisture	TS ISO 3726
Fruit and Vegetable Juices	Determination of Water-Soluble Solids Content (Brix) Refractometric Method	TS EN 12143
Fruit and Vegetable Products	Determination of Soluble Solids Content (Brix) Refractometric Method	TS ISO 2173
Feed	Determination of Moisture and Dry Matter	Official Gazette No. 29955 (Regulation on Sampling and Analysis Methods for Official Control of The Feed)
Honey	Determination of Moisture Refractometric Method	AOAC 969.38
Cheese	Determination of Total Dry matter	TS EN ISO 5534
Animal and Vegetable Fats and Oils	Determination of Refractive Index	TS EN ISO 6320
Ethereal Oils	Determination of Refractive Index	TS ISO 280



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Tomato Paste and Puree	Determination of Water-Soluble Solids Content Refractometric Method	TS 1466
Sugar and Sugar Products, Syrups	Determination of Soluble Solids Content Refractometric Method	AOAC 932.14
Honey	Determination of Electrical Conductivity	IHC (Bölüm No:2)
Plastic Substances and Materials in Contact with Food	Analysis of Total Migration in Evaporable Food Simulants Method 1- Full Immersion Method	TS EN 1186-3, Metot 1
Plastic Substances and Materials in Contact with Food	Analysis of Total Migration in Evaporable Food Simulants Method 2- Cell Method	TS EN 1186-3, Metot 2
Plastic Substances and Materials in Contact with Food	Analysis of Total Migration in Evaporable Food Simulants Method 3- Bag Method	TS EN 1186-3, Metot 3
Plastic Substances and Materials in Contact with Food	Analysis of Total Migration in Evaporable Food Simulants Method 4- Reverse Bag Method	TS EN 1186-3, Metot 4
Substances and Materials in Contact with Food	Specific migration [2,2-bis(4-hydroxyphenyl) propane (Bisphenol A)] analysis HPLC-FLD	EN 14372 TS EN 14372
Plastic Substances and Materials in Contact with Food	Total Migration Analysis Modified Polyphenylene Oxide (MPPO)	TS EN 1186-13 Metot B
Food Contact Paper and board Materials	Overall migration analysis (MPPO)-Paper	EN 14338
Substances and Materials in Contact with Food	Structure analysis FT-IR Method	"Internal Method "IGKL.AT.09.05 /Rev No:02 " (Modified by Sadler Library Polymers vol.2 Hummel Polymer Sample Library)
Substances and Materials in Contact with Food	Specific migration Phthalate analysis [(7 pieces) - BBP/Butylbenzylphthalate, DEHP/ Di-(2-ethylhexyl) phthalate, DBP/ Dibutylphthalate, DEP/ Diethylphthalate, DIBP/ Diisobutylphthalate, DIDP/ Diisodecylphthalate, DINP/ Diisononylphthalate, DNOP/ Di-n-octyl phthalate)] GC-MS	TS EN 13130-1, - TS EN 14372
Food Contact Plastic Material and Article	Analysis of Total Migration in Evaporable Food Simulants Method 5- Fill Method	TS EN 1186-3, Metot 5
Substances and Materials in Contact with Food	Specific migration PAA analysis [(20 pieces)- 2,4,5-Trimethylaniline (2,4,5-TMA), 2,4-Dimethylaniline(2,4-DMA), 2,4-Toluenediamine (2,4-TDA), 2,6-Dimethylaniline (2,6-DMA), 2,6-Toluenediamine (2,6-TDA), 2-Methoxy-5-Methylaniline (2-M-5-MA), 3,3-Dimethylbenzidine (3,3-DMB) 4,4'-Methylenedianiline (4,4'-MDA), 4,4'-Diaminodiphenylether (4,4'-DPE), 4,4'-Methylenedi-o-toluidine (4,4'-MDoT), 4-Aminobiphenyl (4-ABP), 4-Chloro-Aniline (4-CA), 4-Chloro-o-Toluidine (4-CoT), 4-Methoxy-m-phenylenediamine (4-M-mPDA), Aniline (ANL), Benzidine (BNZ), m-Phenylenediamine (m-PDA), o-Anisidine (o-ASD), o-Toluidine (o-T), p-Phenylenediamine (p-PDA)] LC/MSMS	EUR 24815 TS EN 13130-1
Substances and Materials in Contact with Food	Specific migration Formaldehid analysis	EN 13130-1 EN 24815
Food	Arsenic (As), Lead (Pb), Cadmium (Cd), and Mercury (Hg) analysis ICP-MS Method	TS EN 15763



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Food	Tin (Sn) analysis ICP-MS Method	NMKL 191
Feed	Arsenic (As), Lead (Pb), Cadmium (Cd), and Mercury (Hg) analysis ICP-OES Method	in-house Method (IGKL.08.17/ Rev No:05)
Feed	Arsenic (As), Lead (Pb), Cadmium (Cd), and Mercury (Hg) analysis ICP-MS Method	in-house Method (IGKL.08.17/ Rev No:05)
Food Contact Plastic Material	Antimony (Sb), Barium (Ba), Cadmium (Cd), Cobalt (Co), Copper (Cu), Iron (Fe), Lithium (Li), Manganese (Mn), Zinc (Zn), Aluminium (Al), Nickel (Ni), Europium (Eu), Gadolinium (Gd), Lanthanum (La), and Terbium (Tb) analysis ICP-MS Method	EN 13130-1
Bivalve mollusks, fresh, chilled or frozen, smoked	Polycyclic Aromatic Hydrocarbon(PAH) [Benzo (a) pyren, Krisen, Benzo (a) antrasen, Benzo (b) floranten] analysis HPLC-FLD Method	Internal Method IGKL.AT.05.19/Rev no: 04 (ISO 15753 2006-09- 01 Animal and vegetable fatsandols- determination of polycyclica romatic hydrocarbons(modified) Analysis of Polycyclic Aromatic Hydrocarbons in Fishwith Agilent Bond Elut Quechers AOAC Kit and HPLC-FLD
Infant and Young Child Supplementary Food, Infant Formulas and Follow-Up Formulas, (Including Infant Milk and Follow-Up Milk)	Polycyclic Aromatic Hydrocarbon(PAH) Benzo (a) pyren, Krisen, Benzo (a) antrasen, Benzo (b) floranten] analysis HPLC FLD Method	IGKL.AT.05.19 /Rev no: 04 (ISO 15753 Animal and vegetable fatsandols- determination of polycyclica romatic hydrocarbons(modified)



Accreditation Scope

 Test TS EN ISO/IEC 17025 AB-0026-T	TARIM VE ORMAN BAKANLIĞI /İSTANBUL GIDA KONTROL LABORATUVAR MÜDÜRLÜĞÜ Accreditation Nr: AB-0026-T Revision Nr: 18 Date: 10.04.2025 Testing Laboratory Address : ŞENLİKKÖY MAH. FLORYA CAD. No:78 /1/1 BAKIRKÖY/İSTANBUL İstanbul / Türkiye Phone : +212 212 663 3959 Fax : - Email : istanbul.gidalab@tarimorman.gov.tr Website : https://gidalab.tarimorman.gov.tr/istanbul	
Feed/Products with high starch and/or protein and low water and fat content	Detection and Quantification Analysis of Some Selected Pesticides in Feed Products GC-MSMS Method HCH-alpha isomer; Hexachlorobenzene; HCH beta isomer; HCH delta isomer; HCH gama isomer; Heptachlor; Aldrin; Heptachlor exo-epoxide isomer B; Heptachlor epoxide; Chlordane-trans (gamma); DDE, o,p; Endosulfan (alpha isomer); Chlordane-cis (alpha); DDE, p,p; DDD, o,p; Dieldrin; Endosulfan (beta isomer); Endrin; DDD, p,p; DDT, o,p; DDT, p,p; Endrin ketone; Endosulfan sulfate	• AOAC 2007.01
Herbal Product Compositions, Food Supplements, Energy Drinks, Herbal Tea, Herbal, Coffee Products, Herbal Paste, Soft Drinks, Chocolate	Active Pharmaceutical Substance / Search for Active Pharmaceutical Compound LC-MS Q Exactive (Orbitrap) Drugs used for Aphrodisiac Effects (20 pieces) Sildenafil; Acetildenafil; Dimethy sildenafil; Homosildenafil; Hydroxyhomosildenafil; Hydroxythiohomosildenafil; Thiohomosildenafil; Thiosildenafil; Thiodimethylsildenafil (Thioaildenafil); Tadalafil; Verdenafil; Yohimbine; Hydroxychlorodenafil; Avanafil; Fondenafil; Nitrodenafil; Sildenafil amid; Propoxyphenil thiohydroxyhomo sildenafil; Propoxyphenil homohydroxy sildenafil; Benzyl sildenafil Drugs used for Weight Loss (8 pieces) Sibutramine; Desmethyisibutramine; Didesmethyisibutramine; (N,NDidemethyl)-1-Hydroxy-Sibutramine; Homosibutramine; Benzylsibutramine; Chlorosibutramine; 2,4-Dinitrofenol Central Nervous System Effective Drugs (4 pieces) Amphetamine; Ephedrine; Pseudoephedrine; Norpseudoephedrine (Cathine) Drugs used for Antihistamine Purposes (1 pieces) Chlorpheniramine Drugs Used for Antidiuretic Purposes (2 pieces) Furosemide; Hydrochlorothiazide Drugs Used for Antimicrobial Purposes (1 pieces) Natamycin (pimaricin) Drugs used for Pain Relief and Rheumatic Purposes (11 pieces) Ibuprofen; Paracetamol; Phenylbutazone; Diclofenac acid; Mefenamic acid; Metamizole; Salicylic acid; Indomethacin; Ketoprofen; Naproxene; Phenacetin Drugs Used for Antispasmodic Purposes (2 pieces) Atropine; Scopolamine Corticosteroids (5 pieces) Methylprednisolone; Betamethasone; Dexamethasone; Triamcinolone; Prednisolone Beta Agonists (1 pieces) Clenbuterol H2 Receptor Blockers (1 pieces) Omeprazole Drugs used for Regulating Blood Sugar (9 pieces) Rosiglitazone; Glipizide; Repaglinide; Gliclazide; Metformin; Gliabenclamide (Glyburide); Phenformin; Glimepiride; Tolbutamide Drugs for Regulating Cardiovascular and Blood Pressure (24 pieces) Hydralazine; Lisinopril; Clonidine; Triamterene; Minoxidil; Metoprolol; Prazosin; Phentolamine; Benazepril; Chlortalidone; Amlodipine; Valsartan; Nitrendipine; Felodipine; Quinidine; Verapamil; Labetalol; Carvedilol; Nifedipine; Dobutamine; Captopril; Enalapril; Ramipril; Digitoxin Cannabinoids (6 pieces) Cannabigerol; Cannabinol; Cannabidiol; Tetrahydrocannabinol (Delta_tetrahydrocannabinol); Tetrahydrocannabinolic acid; Cannabidiolic acid Drugs used for Regulating Cholesterol (7 pieces) Simvastatin; Mevastatin; Lovastatin; Fluvastatin; Rosuvastatin; Atorvastatin; Pitavastatin Serotonin Inhibitors (8 pieces) Zimeldine; Fluoxetine; Sertraline; Paroxetine; Dapoxetine; Citalopram; Fluvoksamine; DL-Venlafaksinin	Internal Method "IGKL.AT.07.45/Rev.00" (Modified from UHPLC/MS/MS application note 5991-7301EN)
Sport Supplements	Anabolic Steroid / Hormone Analysis Orbitrap Mass Spectrometer 17alfa-Methyltestosterone; 17a-Hydroxyprogesterone; 19-Norandrostendione; 19-Nortestosterone; 1-Testosterone (17 beta hydroxy-5alfa Androst-1-en); 5a-Dihydrotestosterone(DHT); Androsterone; Androstenedione; Boldenone; Boldenone Acetate; Boldenone Propionate; Boldenone Undecylenate; Clostebol (4-Chlorotestosterone); Danazol; Ethisterone; Fluoxymesterone; Medroxyprogesterone acetate; Melengestrol acetate; Methenolone; Methyl-1-Testosterone; Mibolerone; Oxandrolone; Stanozolol; Testosterone; Testosterone Propionate; Testosterone 17- O-Acetate; Testosterone 17-Isocarproate; Testosterone 17-Phenylpropionate; Testosterone Benzoate; Testosterone Cypionate; Testosterone Enanthate; Trenbolone	Internal Method" IGKL.AT.05.26/00" (Van Poucke,C., Detavernier,C., Determination of anabolic steroids in dietary supplements by liquid chromatography-tandem mass spectrometry. Analytica Chimica Acta 586(2007) 35-42 modified from publication.)
Food Feed Seed	Detection and Quantification of Oilseed Rape Event MON 94100 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-BN-014), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Food Feed Seed	Detection and Quantification of Maize Event MON 87429 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-030), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571



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Food Feed Seed	Detection and Quantification of Maize Event MON 95379 Real Time PCR Method Pretreatment:DNA Extraction	EURL Method (QT-EVE-ZM-033), ISO 21570, ISO 24276 Kit Method (Roche MagNA Pure 96 DNA and Viral NA Small Volume Kit Procedure), ISO 21571
Fruits, vegetables and their products	Determination of Alternaria Toxins Alternariol (AOH), Alternariol Monometil Eter (AME), Tentoksin (TEN), Tenuazonik Asit (TEA) LC-MS/MS Method	In house method "IGKL.AT.07.47 / RevNo: 00" (LC-MS/MS Determination of Alternaria Toxins in Vegetables and Fruit Beverages Agilent Application Note (SI-01322) has been modified)
Vegetable and Animal Fats and Oils	Determination of sterol content and composition (Kolesterol, Kampaesterol, Stigmasterol, B-sitosterol, Delta-5-Avenasterol, Delta-7-Stigmasterol, Delta-7-Avenasterol) GC Method	TGK 2014/53 - Olive Oil and Pomace Oil Analysis Methods notification
Honey	Pollen Rate Analysis in Honey	Ministry of Agriculture and Forestry Standard Method for Pollen Rate Analysis in Honey



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Products with high starch and/or protein and low water and fat content	AOAC 2007.01 Detection and Amount of Some Selected Pesticides Determination Analysis GC-MS/MS Method (148 Pieces) 1,1-dichloro-2,2-bis (4-ethylphenyl) ethane (Perthane); 2,3,4,5-Tetrachloroaniline;3,4-Dichloroaniline; 3,5-Dichloroaniline; 4,4-Dichlorabenzophenone; Acrinathrin; Aldrin; Aramite; Azobenzene; Benfluralin; Bifenoxy; Bifenthrin; Bromfenvinphos; Bromfenvinphos-methyl; Bromophos; Bromophos-ethyl; Bromopropylate; Bromoxnilyl-methyl ether; Bromuconazole; Butylate; Carbosulfan; Chlorathal-dimethyl; Chlorbenside; Chlordane-cis (alpha); Chlordane-trans (gamma); Chlordecone; Chlordene; Chlorfenapyr; Chlorfenprop-methyl; Chlorfenson; Chlorflurenol; Chlorflurenol-methyl ester; Chlormefos; Chlorobenzilate; Chloropropylate; Chlorpropham; Chlorpyrifos Methyl; Chlorthiamid; Chlzolinate; Cinidon-ethyl; Cyanofenphos; Cyanophos; Cyhalofop-butyl; Cyhalothrin I (lambda); Cypermethrin; (alpha,beta,zeta); DDD, o,p'-; DDD, p,p'-; DDE, o,p'-; DDE, p,p'-; DDT, o,p'-; DDT, p,p'-; Deltamethrin; Demeton(O+S); Demeton-S; Demeton-S- methyl; Di-allate; Dichlobenyl; Dichlorvos; Diclofop methyl; Dicofol; Dieldrin; Diniconazole; Dioxabenzofos; Diphenylamine; Disulfoton; E-Mevinphos; Endosulfan (alpha isomer); Endosulfan (beta isomer); Endosulfan sulfate; Endrin; Endrin ketone; EPTC;Esfenvalerate; Etaconazole; Ethalfuralin; Ethofumesate, 2-keto-; Etridiazole(Terrazole); Fenclorophos;Fenitrothion; Fenson; Fenvalerate; Flucacrypyrim; Flucythrinate II; Flumetralin; Flumioxazin; Flurenol;Furalaxyl; Halfenpro; HCH alpha isomer; HCH beta isomer; HCH delta isomer; HCH gama isomer; Heptachlor; Heptachlor endo epoxide ISO A; Heptachlor exo-epoxide ISO B; Heptenophos; Hexabromobenzene; Hexachlor-1-3-butadiene; Hexachlorobenzene; Hexaconazole; Iodofenphos (Jodfenphos); Iprobenfos Iprodione; Isocarbophos; Isodrin; Isofenphos; Isopropalin; Leptophos; Malathion; MCPB-Ethyl ester MCPB-methyl; Mefenpyr-diethyl; Mepanipyrin; Methacrifos; Methoxychlor; Mirex; Monolinuron; Nitrofen; Oxadiargyl; Oxyfluorfen; Parathion ethyl; Pentachloroaniline; Pentachloroanisole Pentachlorobenzene; Pentanochlor; Permethrin-cis; Permethrin-trans; Pethoxamid; Phorate; Procymidone; Proquinazid; Pyridalyl; Pyrimedifen; Quintozene; Spiromesifen; Tecnazene; Tefluthrin, cis-; Terbufos; Tetradifon; Tetramethrin; Tetrasul; Tolclofos-methyl;Tralomethrin; Tri-allate; Trichloronate; Triclopyr-methyl; Trifluralin; Vinclozolin Detection and Amount of Some Selected Pesticides Determination Analysis LC-MS/MS Metod (411 Pieces) 6-Benzyladenine; Acephate; Acetamidiprid; Acetochlor; Acibenzolar-S-Methyl; Alachlor; Aldicarb; Aldicarb sulfone; Aldicarb sulfoxide; Allethrin; Ametoctradin; Ametryne; Aminocarb; Amitraz; Anilofos; Asulam; Atraton; Atrazine; Azaconazole; Azimsulfuron; Azinphos-ethyl; Azinphos-methyl; Aziprotirine; Azoxystrobin; Beflubutamid; Benalaxyl; Benalaxyl-M; Bendiocarb; Bensulfuron methyl; Bentazone; Benzobicyclon; Bicyclopyrone; Bifenazate; Bioresmethrin; Bitertanol; Bixafen; Boscalid; Bromacil; Bromfenvinphos-methyl; Bupirimate; Buprofezin; Butocarboxim;Butocarboxim-sulfoxide; Butoxycarboxim; Butralin; Buturon; Cadusafos; Carbaryl; Carbedazim; Carbetamide; Carbofuran; Carbofuran-3-hydroxy; Carbophenothion; Carboxin; Carfentrazone Ethyl; Chlorbromuron; Chlordimeform; Chlorethoxyfos; Chlorfenvinphos; Chlorfluaazuron; Chloridazon; Chlorotoluron; Chloroxuron; Chlorphoxim; Chlorpyrifos; Chlorpyrifos-oxon; Chlorthiophos; Clethodim; Climbazole; Clodinafop-propyl; Clofentezine; Clomazone; Clothianidin; Coumaphos; Crimidine; Cyanazine; Cyantraniliprole; Cyazofamid; Cycloate; Cycloxydim; Cyflufenamid; Cyflumetofen; Cymoxanil; Cyproconazole; Cyprodinil; Dazomet; Deet; Demeton-S-methyl-sulfone; Demeton-S-methyl-sulfoxide; Desmethyl-Formamido-Pirimicarb; Desmethyl-Pirimicarb; Desmetryn; Diafenthiuron;Dialifos; Diazinon; Dichlofention; Diclotophos; Diethofencarb; Difenoconazol; Difenzoquat-Methyl Sulfate; Diflubenzenuron; Diflufenican; Dimefox; Dimefuron; Dimethachlor; Dimethenamid; Dimethenamid-P; Dimethoate; Dimethomorph; Dimoxystrobin; Dinitramine; Dinobuton; Dinocap; Dinoseb; Dioxathion; Diphenamid; Dipropetryn; Disulfoton-sulfone; Disulfoton-sulfoxide; Ditalimfos; Diuron; DNOC; Dodine; Edifenphos; Emamectin-Benzozate; E-Metaflumizone; EPN; Epoxiconazole; Ethametsulfuron-methyl; Ethirimol; Ethiofencarb; Ethiofencarb-sulfone; Ethiofencarb-sulfoxide; Ethion;Ethofumesate; Ethoprophos; Ethoxysulfuron; Etofenprox; Etoazole; Famoxadone; Famphur; Fenamidon; Fenamiphos; Fenamiphos-Sulfone; Fenamiphos-Sulfoxide; Fenarimol; Fenazaquin; Fenbuconazole; Fenbutatin oxide; Fenclorophos Oxon, Fenhexamid; Fenobucarb; Fenoxaprop-ethyl; Fenoxaprop-P-ethyl; Fenoxycarb; Fenpiclonil; Fenpropiadin; Fenproprimorph; Fenpyroximate; Fensulfothion; Fenthion; Fenthion-sulfone; Fenthion-sulfoxide; Fenuron; Fipronil; Fipronil-sulfone;Flamprop-methyl; Flamprop-m-isopropyl; Flazasulfuron; Flonicamid; Florosulam; Floryprauxifen-Benzyl; Fluazifop; Fluazifop-p-butyl; Fluazinam; Flubendiamide; Flubenzimine; Fludioxonil; Flufenacet; Flufenoxuron; Flufenzin; Fluometuron; Flupicolide; Fluopyram; Fluoxastrobin; Flupyradifurone; Fluquinconazole; Fluridone; Flurochloridone; Fluroxypyr; Fluroxypyr-methyl; Flurprimidol; Flurtamone; Flusilazole; Fluthiacet-methyl; Flutolanil; Flutriaol; Fluxaproxad; Fonofos; Foramsulfuran; Forchlorfenuron; Formetanate-hydrochloride; Formothion; Fosthiazate; Fuberidazole; Furathiocarb; Halauaxifen-methyl; Halosulfuron-methyl; Haloxfop-methyl; Haloxfop; Haloxfop-2-Ethoxyethyl; Hexaflumuron; Hexazinone; Hexythiazox; Imazalil; Imazamethabenz- methyl; Imidacloprid; Indaziflam; Indolylbutyric acid; Iodosulfuron-methylsodium, Ipconazole; Iprovalicarb; Isazofos; ISO-Malathion; Isoprocarb; Isoproturon; Isopyrazam; Isoxaben; Isoxaflutole; Kresoxim-methyl; Lenacil; Linuron; Lufenuron; Malaaxon; Mandopropamid; Mecarban; Mefentriflucanazole; Mephosfolan; Mepronil; Meptyldinocap-p-phenol; Mesosulfuron-methyl, Metalaxyl; Metalaxyl-M; Metazachlor; Metconazole; Methabenzthiazuron; Methamidophos-N-methyl; Methamitron; Methidathion; Methiocarb; Methiocarb-sulfone; Methiocarb-sulfoxide; Metholachlor-S; Methomyl; Methoxuron; Metobromuron; Metolachlor; Metolcarb; Metominostrobin-E; Metosulam; Metrafenone;Metribuzin; Mevinphos; Milbemycin A3; Milbemycin A4; Molinate; Monocrotophos; Myclobutanil; Napropamide; Nitralin; Norflurazon; Novaluron; Nuarimol; Ofurace; Omethoate; Orthosulfamuron; Oryzalin; Oxadiazon; Oxadixyl; Oxamyl; Oxa-sulfuronil; Paclobutrazol; Paraoxon-ethyl ; Paraoxon-methyl; Pebulate; Penconazol; Pencycuron; Pendimethalin; Penflufen; Penoxsulam; Penthiopyrad; Phenmedipham; Phenthoate; Phorate Sulfone; Phorate Sulfoxide; Phosalone; Phosfolan; Phosmet; Phosphamidon; Picolinafen; Picoxystrobin; Pinoxaden; Piperophos; Pirimicarb; Pirimiphos-ethyl; Pirimiphos-methyl; Potasan; Prochloraz; Profenofos; Profoxydim; Promecarb; Prometon; Prometryn; Propachlor; Propamocarb free base; Propamocarb-hydrochloride; Propanil; Propaquiza-fop; Propargite; Propazine; Propetamphos; Propiconazole; Propisochlor; Propoxur; Propyzamide; Pro-sulfocarb; Pro-sulfuron; Prothiofos; Pymetrozine; Pyraclostrobin; Pyraflufen Ethyl; Pyrazophos; Pyrethrins; Pyridaben; Pyridaphenthiion; Pyrimethanil; Pyriofenone; Pyriproxyfen; Pyroxasulfone; Pyroxsulam; Quinalphos; Quinoxifen; Quizalofop-ethyl; Rotenone; Sedaxane; Sethoxydim; Simazine; Simetryn; Spinetoram; Spinosad A; Spinosad B; Spirodiclofen; Spirotetramat; Spiroxamine; Sulfosulfuron; Sulfotep; Sulprofos; Tau- flualinate; Tebuconazole; Tebufenozide; Tebufenpyrad; Tebupirimfos; Tebuthiuron; Teflubenzuron; Tepp-O,O; Tepp-O,S; Tepraloxym; Terbufos- sulfone; Terbufos-sulfoxide; Terbumeton; Terbutylazine; Terbutylazine-2-hydroxy; Terbutylazine-desethyl; Terbutryn; Tetrachlorvinphos; Tetraconazole; Thiabendazole; Thiacloprid; Thiamethoxam; Thiazopyr; Thidiazuron; Thiobencarb; Thiodicarb; Thiofanox-sulfone;Thiofanox- sulfoxide; Thionazin; Thiophanate-methyl; Tolfenpyrad; Tralkoxydim; Triadimefon; Triadimenol; Triasulfuron; Triazophos; Tribenuron-methyl; Trifubos; Trichlorfen; Tricyclazole; Tridemorph; Trifloxystrobin; Trifloxysulfuron; Triflumizole; Trifluron; Trimethacarb(2,3,5-); Trimethacarb(3,4,5-); Triticonazole, Tritosulfuron; Valifenalate; Vamidathion; Z-Metaflumizone; Z-Metominostrobin2; Zoxamide

