

TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory

T.C. SAĞLIK BAKANLIĞI, HALK SAĞLIĞI GENEL MÜDÜRLÜĞÜ, Halk Sağlığı Referans Laboratuvarları Dairesi Başkanlığı, Ulusal Halk Sağlığı Referans Laboratuvarı

Central Address: SIHHIYE PR.DR NUSRET FİŞEK NO:41 ÇANKAYA Ankara / 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-0949-T

Accreditation Date : 30.12.2015

Revision Date / Number : 11.03.2024 / 10

This certificate shall remain in force until **28.12.2027**, 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 Müderr/soğlu with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.

F701-040

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Annex of the Certificate (Page 1/13) Accreditation Scope

T.C. SAĞLIK BAKANLIĞI, HALK SAĞLIĞI GENEL MÜDÜRLÜĞÜ, Halk Sağlığı Referans Laboratuvarları Dairesi Başkanlığı, Ulusal Halk Sağlığı Referans Laboratuvarı C **JRK**AK Accreditation Nr: AB-0949-T Revision Nr: 10 Date: 11.03.2024 **Testing Laboratory** AB-0949-T Phone Fax Email Website Address : SIHHIYE PR.DR NUSRET FİŞEK NO:41 ÇANKAYA Ankara / Türkiye : +90 312 565 5321 : hsgm.uhsrl@saglik.gov.tr Food and Feed Products Testing Method (National, International Standards, In-house Methods) Tested Materials / Products Name of Test Food Detection of Salmonella spp. TS EN ISO 6579-1 Enumeration of Bacillus Cereus Food ISO 7932 Colony Counting Technique Food Enumeration of Coagulase Positive Staphylococci - (Staphylococcus aureus and ISO 6888-1 other species) Colony Counting Technique Food Enumeration of Escherichia coli ISO 16649-2 Colony Counting Technique

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Accreditation Scope



T.C. SAĞLIK BAKANLIĞI, HALK SAĞLIĞI GENEL MÜDÜRLÜĞÜ, Halk Sağlığı Referans Laboratuvarları Dairesi Başkanlığı, Ulusal Halk Sağlığı Referans Laboratuvarı

Accreditation Nr: AB-0949-T Revision Nr: 10 Date: 11.03.2024

Environmental Tests			
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In- house Methods)	
Water	Enumeration of Clostridium Perfringens (Including Spores) Membrane Filtration Technique		
		TS EN ISO 14189	
Pool Water	Enumeration of Clostridium Perfringens (Including Spores) Membrane Filtration Technique	TS EN ISO 14189	
Pool Water	Determination of Aluminium (Al), Copper (Cu) Pretreatment: Filtration Measurement: ICP-MS Method	EPA 6020B	
Water	Enumeration of Intestinal Enterococci Membrane Filtration Technique	TS EN ISO 7899-2	
Water	Total Trihalomethanes (Bromoform, Chloroform, Dibromochloromethane, Bromodichloromethane Pretreatment: Purge and Trap and Thermal Desorption Measurement: GC/MS Method	TS EN ISO 15680	
Water	Total Colony Count (22°C)	TS EN ISO 6222	
Pool Water	Detection of Salmonella spp.	TS EN ISO 19250	
Water	Total Colony Count(37°C)	TS EN ISO 6222	
Pool Water	Detection and Enumeration of Sulphite Reducing Anaerobic Bacteria (<i>Clostridia</i>) Spores Membrane Filtration Technique	TS 8020 EN 26461-2	
Pool Water	Enumeration of Coliform Bacteria Most Probable Number Technique	TS EN ISO 9308-2	
Water	Enumeration of <i>Escherichia coli</i> Membrane Filtration Technique	TS EN ISO 9308-1	
Pool Water	Enumeration of <i>Escherichia coli</i> Most Probable Number Technique	TS EN ISO 9308-2	
Water	Enumeration of Coliform Bacteria Membrane Filtration Technique	TS EN ISO 9308-1	
Pool Water	Enumeration of Pathogenic <i>Staphylococci</i> Membrane Filtration Technique	NFT90-412	
Water	Enumeration of <i>Pseudomonas aeruginosa</i> Membrane Filtration Technique	TS EN ISO 16266	
Water	Detection of Salmonella spp.	TS EN ISO 19250	
Water	Detection and Enumeration of Sulphite Reducing Anaerobic Bacteria (<i>Clostridia</i>) Spores Membrane Filtration Technique	TS 8020 EN 26461-2	

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	Accreditation Scope		
	T.C. SAĞLIK BAKANLIĞI, HALK SAĞLIĞI GENEL MÜDÜRLÜĞÜ, Halk Sağlığı Referans Laboratuvarları Dairesi Başkanlığı, Ulusal Referans Laboratuvarı Accreditation Nr: AB-0949-T Revision Nr: 10 Date: 11.03.2024		
Test TS EN ISO/IEC 17025 AB-0949-T			
Water	Enumeration of <i>Escherichia coli</i> Most Probable Number Technique	TS EN ISO 9308-2	
Water	Enumeration of Coliform Bacteria Most Probable Number Technique	TS EN ISO 9308-2	
Water	Detection and Enumeration of Pathogenic <i>Staphylococci</i> Membrane Filtration Technique	NFT90-412	
Water (Thermal water)	Determination of PAH (Polyaromatic Hydrocarbons) Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g, h, I)perylene, Benzo(k)fluoranthene, Fluoranthene, indeno (1,2,3-cd) pyrene Pretreatment: Liquid Liquid Extraction Measurement: HPLC Method	EPA 550	
Pool Water	Enumeration of Intestinal Enterococci Membrane Filtration Technique	TS EN ISO 7899-2	
Water (Thermal water)	Determination of Mercury (Hg) Pretreatment:Filtratation	EPA 6020B	
	Measurement: ICP-MS Method		
Pool Water	Total Colony Count (22°C)	TS EN ISO 6222	
Pool Water	Total Colony Count (37°C)	TS EN ISO 6222	
Pool Water	Enumeration of Coliform Bacteria Membrane Filtration Technique	TS EN ISO 9308-1	
Pool Water	Enumeration of <i>Escherichia coli</i> Membrane Filtration Technique	TS EN ISO 9308-1	
Pool Water	Enumeration of <i>Pseudomonas aeruginosa</i> Membrane Filtration Technique	TS EN ISO 16266	
Water	Determination of pH Electrometric Method	TS EN ISO 10523	
Water	Determination of Aluminum (Al), Antimony (Sb), Arsenic (As), Barium (Ba), Cadmium (Cd), Calcium (Ca), Chrome (Cr), Copper (Cu), Iron (Fe), Lead (Pb), Magnesium (Mg), Manganese (Mn), Mercury (Hg), Nickel (Ni), Potassium (K), Selenium (Se), Sodium (Na), Zinc (Zn)	EPA 6020 B	
	Pretreatment: Filtration Measurement: ICP-MS Method		
Water	Determination of PAH (Polyaromatic Hydrocarbons) Benzo (a) pyrene, benzo (b) fluoranthene, Benzo (g, h, i) perylene, Benzo (k) fluoranthene, Fluoranthene, Indeno (1,2,3-cd) pyrene Pretreatment: Liquid Liquid Extraction Measurement: HPLC Method	EPA 550	
Water	Determination of Electrical Conductivity Electrometric Method	TS 9748 EN 27888	
Water	Determination of Bromide, Fluoride, Chloride, Nitrite, Nitrate, and Sulfate IC Method	TS EN ISO 10304-1	

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Accreditation Scope

TÜRKAK V TEAL TS EN ISO/IEC 17025 AB-0949-T	T.C. SAĞLIK BAKANLIĞI, HALK SAĞLIĞI GENEL MÜDÜRLÜĞÜ, Halk Sağlığı Referans Laboratuvarları Dairesi Başkanlığı, Ulusal Halk Sağlığı Referans Laboratuvarı Accreditation Nr: AB-0949-T Revision Nr: 10 Date: 11.03.2024		
Water	Determination of Bromate IC Method	TS EN ISO 15061	
Water	Determination of total organic carbon (TOC) and Dissolved organic carbon (DOC) Measurement: Oxidation Method	TS 8195 EN 1484	
Water (Thermal water)	Determination of pH Electrometric Method	TS EN ISO 10523	
Water (Thermal water)	Determination of Bromide, Fluoride, Chloride, Nitrite, Nitrate, and Sulfate IC Method	TS EN ISO 10304-1	
Pool Water	Determination of pH Electrometric Method	TS EN ISO 10523	
Pool Water	Determination of Electrical Conductivity Electrometric Method	TS 9748 EN 27888	
Pool Water	Determination of Nitrite, Nitrate IC Method	TS EN ISO 10304-1	
Water (Thermal water)	Determination of Electrical Conductivity Electrometric Method	TS 9748 EN 27888	
Water	Enumeration of <i>Legionella</i> Membrane Filtration Technique	ISO 11731	

Annex of the Certificate (Page 5/13) Accreditation Scope

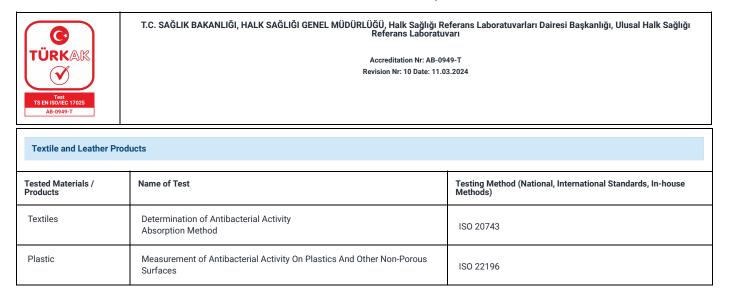


T.C. SAĞLIK BAKANLIĞI, HALK SAĞLIĞI GENEL MÜDÜRLÜĞÜ, Halk Sağlığı Referans Laboratuvarları Dairesi Başkanlığı, Ulusal Halk Sağlığı Referans Laboratuvarı

> Accreditation Nr: AB-0949-T Revision Nr: 10 Date: 11.03.2024

Chemicals and Chemical Products				
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In- house Methods)		
Chemical Disinfectants and Antiseptics	Quantitative Suspension Test For The Evaluation of Fungicidal Activity İn The Medical Area	TS EN 13624		
Chemical Disinfectants and Antiseptics	The Evaluation of Bactericidal Activity Against Legionella	TS EN 13623		
Chemical Disinfectants and Antiseptics	Quantitative Suspension Test For The Evaluation of Bactericidal Activity İn Veterinary Field	TS EN 1656		
Chemical Disinfectants and Antiseptics	Quantitative Suspension Test For The Evaluation of Fungicidal Activity İn Veterinary Field	TS EN 1657		
Chemical Disinfectants and Antiseptics	Quantitative Suspension Test For The Evaluation of Sporicidal Activity	TS 6776 EN 13704		
Chemical Disinfectants and Antiseptics	Quantitative Suspension Test For The Evaluation of Bactericidal Activity	EN 1276		
Chemical Disinfectants and Antiseptics	Quantitative Suspension Test For The Evaluation of Fungicidal Activity	TS EN 1650		
Chemical Disinfectants and Antiseptics	Quantitative Suspension Test For The Evaluation of Bactericidal Activity İn The Medical Area	TS EN 13727+A2		

Annex of the Certificate (Page 6/13) Accreditation Scope



Annex of the Certificate (Page 7/13) Accreditation Scope

Flexible Scope

TÜRKAK TÖRKAK TS EN ISOLICE 17025 AB-0949-T	T.C. SAĞLIK BAKANLIĞI, HALK SAĞLIĞI GENEL MÜDÜRLÜĞÜ, Halk Sağlığı Referans Laboratuvarları Dairesi Başkanlığı, Ulusal Halk Sağlığı Referans Laboratuvarı				
	Accreditation Nr: AB-0949-T Revision Nr: 10 Date: 11.03.2024				
	Testing Laboratory				
	Address : SIHHIYE PR.DR NUSRET FİŞEK NO:41 ÇANKAYA Ankara / Türkiye	Phone Fax Email Website	: +90 312 565 5321 		

Forensic Sciences

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
12312312312312312312312 3123123123 Organic Samples	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC); Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Quinuclidin-3-ol (CWC 2.B.09), N,N-Dialkyl aminoethane-2-ols and corresponding protonated salts (CWC 2.B.11), N,N-Dialkyl aminoethane-2-thiols and corresponding protonated salts (CWC 2.B.12), Thiodiglycol (CWC 2.B.13), Ethyldiethanolamine (CWC 3.B.15), Methyldiethanolamine (CWC 3.B.16), Triethanolamine (CWC 3.B.17).	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01) (Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))
	Pretreatment: Liquid-liquid extraction, Derivatization Measurement: GC-MS/dFPD	
12,31,2,31,2,31,2,31,2,31,2, 31,2,31,2,3	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC); Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Quinuclidin-3-ol (CWC 2.B.09), N.N-Dialkyl aminoethane-2-ols and corresponding protonated salts (CWC 2.B.11), N,N-Dialkyl aminoethane-2-thiols and corresponding protonated salts (CWC 2.B.12), Thiodiglycol (CWC 2.B.13), Ethyldiethanolamine (CWC 3.B.15), Methyldiethanolamine (CWC 3.B.16), Triethanolamine (CWC 3.B.17). Pretreatment: Liquid-liquid extraction, Derivatization Measurement: GC-MS/dFPD	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01) (Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))
1,2,31,2,31,2,31,2,31,2,31,2, 31,2,31,2,	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC); Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Quinuclidin-3-ol (CWC 2.B.09), N,N-Dialkyl aminoethane-2-ols and corresponding protonated salts (CWC 2.B.11), N,N-Dialkyl aminoethane-2-thiols and corresponding protonated salts (CWC 2.B.12), Thiodiglycol (CWC 2.B.13), Ethyldiethanolamine (CWC 3.B.15), Methyldiethanolamine (CWC 3.B.16), Triethanolamine (CWC 3.B.17). Pretreatment: Liquid-liquid extraction, Derivatization Measurement: GC-MS/dFPD	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01) (Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))

Flexible Scope: Additional parameters may be added which are indicated on its scope in accordance with the laboratory's approved and documented procedures and with using the same measurement technique. For details refer to the laboratory's List of Additionally Accredited Tests, available from the TURKAK web site(https://www.turkak.org.tr). ¹Laboratory may add new materials/products on its scope.

²Laboratory may add new test parameters on its scope.

³Laboratory may do modifications on test method performance.

Annex of the Certificate (Page 8/13)

	Accreditation Scope			
C TÜRKAK	T.C. SAĞLIK BAKANLIĞI, HALK SAĞLIĞI GENEL MÜDÜRLÜĞÜ, Halk Sağlığı Referans Laboratuvarları Dairesi Başkanlığı, Ulusal Halk Sağlığı Referans Laboratuvarı Accreditation Nr: AB-0949-T Revision Nr: 10 Date: 11.03.2024			
Test TS EN ISO/IEC 17025	Testing Laboratory			
AB-0949-T	Address : SIHHIYE PR.DR NUSRET FİŞEK NO:41 ÇANKAYA Ankara / Türkiye Email Website :			
1,2,31,2,31,2,31,2,31,2,31,2, 31,2,31,2,	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC);	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)		
	Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Quinuclidin-3-ol (CWC 2.B.09), N,N-Dialkyl aminoethane-2-ols and corresponding protonated salts (CWC 2.B.11), N,N-Dialkyl aminoethane-2-thiols and corresponding protonated salts (CWC 2.B.12), Thiodiglycol (CWC 2.B.13), Ethyldiethanolamine (CWC 3.B.15), Methyldiethanolamine (CWC 3.B.16), Triethanolamine (CWC 3.B.17).	(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))		
	Pretreatment: Liquid-liquid extraction, Derivatization Measurement: GC-MS/dFPD			
1,2,31,2,31,2,31,2,31,2,31,2, 31,2,31,2,	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC);	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)		
	Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Quinuclidin-3-ol (CWC 2.B.09), N,N-Dialkyl aminoethane-2-ols and corresponding protonated salts (CWC 2.B.11), N,N-Dialkyl aminoethane-2-thiols and corresponding protonated salts (CWC 2.B.12), Thiodiglycol (CWC 2.B.13), Ethyldiethanolamine (CWC 3.B.15), Methyldiethanolamine (CWC 3.B.16), Triethanolamine (CWC 3.B.17).	(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))		
	Pretreatment: Liquid-liquid extraction, Derivatization Measurement: GC-MS/dFPD			
1,2,31,2,31,2,31,2,31,2,31,2, 31,2,31,2,	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC);	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)		
Samples	Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Thiodiglycol (CWC 2.B.13).	(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))		
	Pretreatment: Liquid-liquid extraction, Derivatization Measurement: GC-MS/dFPD			
1,2,31,2,31,2,31,2,31,2,31,2, 31,2,31,2,	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC);	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)		
Samples	Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Thiodiglycol (CWC 2.B.13).	(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))		
	Pretreatment: Liquid-liquid extraction, Derivatization Measurement: GC-MS/dFPD			
1,2,31,2,31,2,31,2,31,2,31,2, 31,2,31,2,	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC);	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)		
Samples	Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Thiodiglycol (CWC 2.B.13).	(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))		
	Pretreatment: Liquid-liquid extraction, Derivatization Measurement: GC-MS/dFPD			

Flexible Scope: Additional parameters may be added which are indicated on its scope in accordance with the laboratory's approved and documented procedures and with using the same measurement technique. For details refer to the laboratory's List of Additionally Accredited Tests, available from the TURKAK web site(https://www.turkak.org.tr).

¹Laboratory may add new materials/products on its scope.

²Laboratory may add new test parameters on its scope.

³Laboratory may do modifications on test method performance.

Annex of the Certificate (Page 9/13)

C TÜRKAK	T.C. SAĞLIK BAKANLIĞI, HALK SAĞLIĞI GENEL MÜDÜRLÜĞÜ, Halk Sağlığı Referans Laboratuvarları Dairesi Başkanlığı, Ulusal Halk Sağlığı Referans Laboratuvarı Accreditation Nr: AB-0949-T Revision Nr: 10 Date: 11.03.2024		
Test TS EN ISO/IEC 17025	Testing Laboratory		
AB-0949-T	Address : SIHHIYE PR.DR NUSRET FİŞEK NO:41 ÇANKAYA Ankara / Türkiye	Phone :+90 312 565 5321 Fax :- Email :hsgm.uhsrl@sagli Website :	
1,2,31,2,31,2,31,2,31,2,31,2, 31,2,31,2,	Analysis of the chemicals included in the Schedules of the Ar Convention (CWC);	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)	
ourrproo	Chemicals, except for those listed in Schedule-1, containing a bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B Thiodiglycol (CWC 2.B.13).		(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))
	Pretreatment: Liquid-liquid extraction, Derivatization Measurement: GC-MS/dFPD		
1,2,31,2,31,2,31,2,31,2,31,2, 31,2,31,2,	Analysis of the chemicals included in the Schedules of the Ar Convention (CWC);	nnexes of Chemical Weapons	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)
Samples	Chemicals, except for those listed in Schedule-1, containing a bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B Thiodiglycol (CWC 2.B.13).		(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))
	Pretreatment: Liquid-liquid extraction, Derivatization Measurement: GC-MS/dFPD		
1,2,31,2,31,2,31,2,31,2,31,2, 3 Soil Samples	Analysis of the chemicals included in the Schedules of the Ar Convention (CWC);	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)	
	O-Alkyl alkylphosphonofluoridates (CWC 1.A.01), Sulfur mustards (CWC 1.A.04), Chlorosarin (CWC 1.B.11), Chlorosoman (CWC 1.B.12).		(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))
	Pretreatment:Solid-liquid extraction Measurement: GC-MS/dFPD		
1,2,31,2,31,2,31,2,31,2,31,2, 3 Soil Samples	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC);		Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)
	O-Alkyl alkylphosphonofluoridates (CWC 1.A.01), Sulfur mustards (CWC 1.A.04), Chlorosarin (CWC 1.B.11), Chlorosoman (CWC 1.B.12).		(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))
	Pretreatment:Solid-liquid extraction Measurement: GC-MS/dFPD		
1,2,31,2,31,2,31,2,31,2,31,2, 3 Soil Samples	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC);		Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)
·	O-Alkyl alkylphosphonofluoridates (CWC 1.A.01), Sulfur mustards (CWC 1.A.04), Chlorosarin (CWC 1.B.11), Chlorosoman (CWC 1.B.12).		(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))
	Pretreatment:Solid-liquid extraction Measurement: GC-MS/dFPD		
1,2,31,2,31,2,31,2,31,2,31,2, 3 Soil Samples	Analysis of the chemicals included in the Schedules of the Ar Convention (CWC);	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)	
	O-Alkyl alkylphosphonofluoridates (CWC 1.A.01), Sulfur mustards (CWC 1.A.04), Chlorosarin (CWC 1.B.11), Chlorosoman (CWC 1.B.12).		(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))
	Pretreatment:Solid-liquid extraction Measurement: GC-MS/dFPD		

Flexible Scope: Additional parameters may be added which are indicated on its scope in accordance with the laboratory's approved and documented procedures and with using the same measurement technique. For details refer to the laboratory's List of Additionally Accredited Tests, available from the TURKAK web site(https://www.turkak.org.tr).

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²Laboratory may add new test parameters on its scope.

³Laboratory may do modifications on test method performance.

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	Accreditation Scope		
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Test TS EN ISO/IEC 17025	Testing Laboratory		
AB-0949-T	Address : SIHHIYE PR.DR NUSRET FİŞEK NO:41 ÇANKAYA Ankara / Türkiye Email Website		
1,2,31,2,31,2,31,2,31,2,31,2, 3 Soil Samples	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC); O-Alkyl alkylphosphonofluoridates (CWC 1.A.01), Sulfur mustards (CWC 1.A.04), Chlorosarin (CWC 1.B.11), Chlorosoman (CWC 1.B.12).	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01) (Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))	
1,2,31,2,31,2,31,2,31,2,31,2,	Pretreatment:Solid-liquid extraction Measurement: GC-MS/dFPD		
3 Soil Samples	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC); Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Thiodiglycol (CWC 2.B.13). Pretreatment: Solid-liquid extraction, Derivatization Measurement: GC-MS/dFPD	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01) (Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))	
1.2,31,2,31,2,31,2,31,2,31,2, 3 Soil Samples	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC); Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Thiodiglycol (CWC 2.B.13). Pretreatment: Solid-liquid extraction, Derivatization Measurement: GC-MS/dFPD	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01) (Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))	
12,312,312,312,312,312,312, 3 Soil Samples	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC); Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Thiodiglycol (CWC 2.B.13). Pretreatment: Solid-liquid extraction, Derivatization Measurement: GC-MS/dFPD	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01) (Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))	
12,312,312,31,2,31,2,31,2, 3 Soil Samples	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC); Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Thiodiglycol (CWC 2.B.13). Pretreatment: Solid-liquid extraction, Derivatization Measurement: GC-MS/dFPD	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01) (Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))	
1.2,31.2,31.2,31,2,31,2,31,2, 3 Soil Samples	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC); Chemicals, except for those listed in Schedule-1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl/isopropyl group (CWC 2.B.04), Thiodiglycol (CWC 2.B.13). Pretreatment: Solid-liquid extraction, Derivatization Measurement: GC-MS/dFPD	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01) (Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))	

Flexible Scope: Additional parameters may be added which are indicated on its scope in accordance with the laboratory's approved and documented procedures and with using the same measurement technique. For details refer to the laboratory's List of Additionally Accredited Tests, available from the TURKAK web site(https://www.turkak.org.tr).

¹Laboratory may add new materials/products on its scope.

²Laboratory may add new test parameters on its scope.

³Laboratory may do modifications on test method performance.

Annex of the Certificate (Page 11/13)

Accreditation Scope

	Accreditation Scope			
C TÜRKAK	T.C. SAĞLIK BAKANLIĞI, HALK SAĞLIĞI GENEL MÜDÜRLÜĞÜ, Halk Sağlığı Referans Laboratuvarları Dairesi Başkanlığı, Ulusal Halk Sağlığı Referans Laboratuvarı Accreditation Nr: AB-0949-T Revision Nr: 10 Date: 11.03.2024			
\bigcirc				
Test TS EN ISO/IEC 17025 AB-0949-T	Testing Laboratory	1		
	Address : SIHHIYE PR.DR NUSRET FİŞEK NO:41 ÇANKAYA Ankara / Türkiye	Fax :-	90 312 565 5321 sgm.uhsrl@saglik.	gov.tr
1,2,31,2,31,2,31,2,31,2,31,2, 31,2,31,2,	Analysis of the chemicals included in the Schedules of the An Convention (CWC);	nexes of Chemical	Weapons	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)
	O-Alkyl alkylphosphonofluoridates (CWC 1.A.01), O-Alkyl S-2-dialkylaminoethyl alkylphosphonothiolates (CWC 1 Sulfur mustards (CWC 1.A.04), Nitrogen Mustards (CWC 1.A.06), Chlorosarin (CWC 1.B.11), Chlorosoman (CWC 1.B.12), Amiton and corresponding alkylated or protonated salts (CWC 3-Quinuclidinyl benzilate (BZ) (CWC 2.A.03), N,N-Dialkyl aminoethyl-2-chlorides (CWC 2.B.10), Pinacolyl alcohol (CWC 2.B.14), Trimethyl phosphite (CWC 3.B.08), Triethyl phosphite (CWC 3.B.09), Dimethyl phosphite (CWC 3.B.10), Diethyl phosphite (CWC 3.B.11).			(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))
	Pretreatment: Liquid-liquid extraction Measurement: GC-MS/dFPD			
1,2,31,2,31,2,31,2,31,2,31,2, 31,2,31,2,	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC);		Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)	
	O-Alkyl alkylphosphonofluoridates (CWC 1.A.01), O-Alkyl S-2-dialkylaminoethyl alkylphosphonothiolates (CWC 1.A.03), Sulfur mustards (CWC 1.A.04), Nitrogen Mustards (CWC 1.A.06), Chlorosarin (CWC 1.B.11), Chlorosoman (CWC 1.B.12), Amiton and corresponding alkylated or protonated salts (CWC 2.A.01), 3-Quinuclidinyl benzilate (BZ) (CWC 2.A.03), N,N-Dialkyl aminoethyl-2-chlorides (CWC 2.B.10), Pinacolyl alcohol (CWC 2.B.14), Trimethyl phosphite (CWC 3.B.08), Triethyl phosphite (CWC 3.B.09), Dimethyl phosphite (CWC 3.B.11).		(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))	
	Pretreatment: Liquid-liquid extraction Measurement: GC-MS/dFPD			
1,2,31,2,31,2,31,2,31,2,31,2, 31,2,31,2,	Analysis of the chemicals included in the Schedules of the An Convention (CWC);	nexes of Chemical	Weapons	Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01)
	O-Alkyl alkylphosphonofluoridates (CWC 1.A.01), O-Alkyl S-2-dialkylaminoethyl alkylphosphonothiolates (CWC 1 Sulfur mustards (CWC 1.A.04), Nitrogen Mustards (CWC 1.A.06), Chlorosarin (CWC 1.B.12), Amiton and corresponding alkylated or protonated salts (CWC 3-Quinuclidinyl benzilate (BZ) (CWC 2.A.03), N,N-Dialkyl aminoethyl-2-chlorides (CWC 2.B.10), Pinacolyl alcohol (CWC 2.B.14), Trimethyl phosphite (CWC 3.B.08), Triethyl phosphite (CWC 3.B.10), Dimethyl phosphite (CWC 3.B.11).			(Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))
	Pretreatment: Liquid-liquid extraction Measurement: GC-MS/dFPD			

Flexible Scope: Additional parameters may be added which are indicated on its scope in accordance with the laboratory's approved and documented procedures and with using the same measurement technique. For details refer to the laboratory's List of Additionally Accredited Tests, available from the TURKAK web site(https://www.turkak.org.tr).

¹Laboratory may add new materials/products on its scope.

²Laboratory may add new test parameters on its scope.

³Laboratory may do modifications on test method performance.

Annex of the Certificate (Page 12/13)

Accreditation Scope

	Accreditation Scope			
	T.C. SAĞLIK BAKANLIĞI, HALK SAĞLIĞI GENEL MÜDÜRLÜĞÜ, Halk Sağlığı Referans Laboratuvarları Dairesi Başkanlığı, Ulusal Halk Sağlığı Referans Laboratuvarı Accreditation Nr: AB-0949-T Revision Nr: 10 Date: 11.03.2024			
Test TS EN ISO/IEC 17025	Testing Laboratory			
AB-0949-T	Address : SIHHIYE PR.DR NUSRET FİŞEK NO:41 ÇANKAYA Ankara / Türkiye	Phone :+90 312 565 5321 Fax :- Email :hsgm.uhsrl@saglik Website :	c.gov.tr	
1,2,31,2,31,2,31,2,31,2,31,2,31,2,31,2,	Convention (CWC); O-Alkyl alkylphosphonofluoridates (CWC 1.A.01), O-Alkyl S-2-dialkylaminoethyl alkylphosphonothiolates (CWC 1. Sulfur mustards (CWC 1.A.04), Nitrogen Mustards (CWC 1.A.06), Chlorosarin (CWC 1.B.11), Chlorosoman (CWC 1.B.12),	kyl alkylphosphonofluoridates (CWC 1.A.01), kyl S-2-dialkylaminoethyl alkylphosphonothiolates (CWC 1.A.03), ur mustards (CWC 1.A.04), ogen Mustards (CWC 1.A.06), rosarin (CWC 1.B.11), rosoman (CWC 1.B.12), ton and corresponding alkylated or protonated salts (CWC 2.A.01), iniuclidinyl benzilate (BZ) (CWC 2.A.03), Dialkyl aminoethyl-2-chlorides (CWC 2.B.10), colyl alcohol (CWC 2.B.14), ethyl phosphite (CWC 3.B.08), hyl phosphite (CWC 3.B.09), ethyl phosphite (CWC 3.B.10), nyl phosphite (CWC 3.B.11).		
1,2,31,2,31,2,31,2,31,2,31,2,31,2,31,2,	Analysis of the chemicals included in the Schedules of the Annexes of Chemical Weapons Convention (CWC); O-Alkyl alkylphosphonofluoridates (CWC 1.A.01), O-Alkyl S-2-dialkylaminoethyl alkylphosphonothiolates (CWC 1.A.03), Sulfur mustards (CWC 1.A.04), Nitrogen Mustards (CWC 1.A.06), Chlorosarin (CWC 1.B.11), Chlorosoman (CWC 1.B.12), Amiton and corresponding alkylated or protonated salts (CWC 2.A.01), 3-Quinuclidinyl benzilate (BZ) (CWC 2.A.03), N,N-Dialkyl aminoethyl-2-chlorides (CWC 2.B.10), Pinacolyl alcohol (CWC 2.B.14), Trimethyl phosphite (CWC 3.B.08), Triethyl phosphite (CWC 3.B.10), Dimethyl phosphite (CWC 3.B.10), Dimethyl phosphite (CWC 3.B.11).		Inhouse method SCP-KSA01 (Rev.01) Inhouse method SCP-KSA02 (Rev.01) (Modified from Recommended Operating Procedures for CWC-Related Analysis (2017))	

Flexible Scope: Additional parameters may be added which are indicated on its scope in accordance with the laboratory's approved and documented procedures and with using the same measurement technique. For details refer to the laboratory's List of Additionally Accredited Tests, available from the TURKAK web site(https://www.turkak.org.tr).

¹Laboratory may add new materials/products on its scope.

²Laboratory may add new test parameters on its scope.

³Laboratory may do modifications on test method performance.

⁴Laboratory may add equivalent test methods on its scope.

Annex of the Certificate (Page 13/13) Accreditation Scope