National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CSIR-INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, UPPAL ROAD, TARNAKA, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	13C NMR (1D)	CSIR-IICT/ANA/NMR/SP1, Ver. 03
2	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	15N NMR (1D)	CSIR-IICT/ANA/NMR/SP1, Ver. 03
3	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	19F NMR (1D)	CSIR-IICT/ANA/NMR/SP1, Ver. 03
4	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	1H NMR (1D)	CSIR-IICT/ANA/NMR/SP1, Ver. 03
5	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	2D NMR (1H, 13C)	CSIR-IICT/ANA/NMR/SP1, Ver. 03
6	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	31P NMR (1D)	CSIR-IICT/ANA/NMR/SP1, Ver. 03
7	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	C,H,N,S,O analysis	CSIR-IICT/ANA/Discovery/SP5, Ver. 01
8	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Electron Ionization (EI) MS & GC/MS (EI) analysis	CSIR-IICT/ANA/CMS/SP26, Ver. 01
9	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	ESI / APCI MS & LC/MS by Q-TOF	CSIR-IICT/ANA/CMS/SP25, Ver. 02
10	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	ESI/APCI MS, LC/MS by Orbitrap	CSIR-IICT/ANA/CMS/SP31, Ver. 01
11	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	PXRD analysis	CSIR-IICT/ANA/XRD/SP1 Ver. 01
12	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace Element analysis: Ag	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
13	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Al	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
14	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: As	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
15	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Au	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
16	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: B	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
17	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Ba	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
18	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Ca	CSIR-IICT/ANA/Discovery/SP4, Ver. 01

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19	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Cd	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
20	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Co	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
21	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Cr	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
22	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Cu	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
23	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Fe	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
24	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Hg	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
25	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Ir	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
26	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: K	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
27	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Li	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
28	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Mg	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
29	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Mn	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
30	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Mo	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
31	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Na	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
32	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Ni	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
33	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Os	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
34	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Pb	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
35	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Pd	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
36	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Pt	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
37	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Rh	CSIR-IICT/ANA/Discovery/SP4, Ver. 01

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38	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Ru	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
39	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Sb	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
40	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Se	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
41	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Sn	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
42	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Tl	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
43	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: V	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
44	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: W	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
45	CHEMICAL- DRUGS & PHARMACEUTICALS	Active Pharmaceutical Ingredients	Trace element analysis: Zn	CSIR-IICT/ANA/Discovery/SP4, Ver. 01
46	CHEMICAL- DRUGS & PHARMACEUTICALS	Formulation	2-Phenoxy Ethanol	CSIR-IICT/ANA/GCL/ SP4, Ver. 01
47	CHEMICAL- DRUGS & PHARMACEUTICALS	Formulation	Imidazoquinoline Gallamide	CSIR-IICT/ANA/GCL/SP8, Ver. 01
48	CHEMICAL- DRUGS & PHARMACEUTICALS	Formulation	Isopropanol	CSIR-IICT/ANA/GCL/ SP3, Ver. 01
49	CHEMICAL- DRUGS & PHARMACEUTICALS	Formulation	Kanamycin	CSIR-IICT/ANA/GCL/ SP6, Ver. 01
50	CHEMICAL- DRUGS & PHARMACEUTICALS	Formulation	Squalene	CSIR-IICT/ANA/GCL/ SP2, Ver. 01
51	CHEMICAL- DRUGS & PHARMACEUTICALS	Formulation	Thiomersal	CSIR-IICT/ANA/GCL/ SP5, Ver. 01
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Banana, Orange, Guava, Apple	Biotin	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Banana, Orange, Guava, Apple	Calciferol	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Banana, Orange, Guava, Apple	Cyanocobalamin	CSIR-IICT/ANA/GCL/ SP9, Ver. 01

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Banana, Orange, Guava, Apple	Folic acid	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Banana, Orange, Guava, Apple	Pantothenic acid	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Banana, Orange, Guava, Apple	Pyridoxine	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Banana, Orange, Guava, Apple	Riboflavin	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bengal gram, Moong gram, Pigeon gram, Chana gram, Urad gram	Biotin	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
60	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bengal gram, Moong gram, Pigeon gram, Chana gram, Urad gram	Calciferol	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
61	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bengal gram, Moong gram, Pigeon gram, Chana gram, Urad gram	Cyanocobalamine	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
62	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bengal gram, Moong gram, Pigeon gram, Chana gram, Urad gram	folic acid	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
63	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bengal gram, Moong gram, Pigeon gram, Chana gram, Urad gram	Pantothenic acid	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
64	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bengal gram, Moong gram, Pigeon gram, Chana gram, Urad gram	pyridoxine	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
65	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bengal gram, Moong gram, Pigeon gram, Chana gram, Urad gram	Riboflavin	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
66	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Brinjal, Okra, Tomato, Potato	Biotin	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
67	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Brinjal, Okra, Tomato, Potato	Calciferol	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
68	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Brinjal, Okra, Tomato, Potato	Cyanocobalamin	CSIR-IICT/ANA/GCL/ SP9, Ver. 01

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
69	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Brinjal, Okra, Tomato, Potato	Folic acid	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
70	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Brinjal, Okra, Tomato, Potato	Pantothenic acid	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
71	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Brinjal, Okra, Tomato, Potato	Pyridoxine	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
72	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Brinjal, Okra, Tomato, Potato	Riboflavin	CSIR-IICT/ANA/GCL/ SP9, Ver. 01
73	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils & Fats	Acid Value	AOCS Cd 3d-63
74	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils & Fats	Cloud Point	AOCS Cc 6-25
75	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils & Fats	Free Fatty Acid	AOCS Ca 5a-40
76	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils & Fats	Moisture	AOCS Ca 2e-84
77	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils & Fats	Moisture &Volatile Impurities	AOCS Ca 2c-25
78	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils & Fats	Saponification Value	AOCS Cd 3-25
79	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils & Fats	Unsaponifiable Matter	AOCS Ca 6a-40
80	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	g-Tocopherol	AOCS Ce 8-89
81	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	Argemone Oil	FSSAI Manual of Methods of Analysis of Foods (Oils & Fats)
82	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	a-Tocopherol	AOCS Ce 8-89

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
83	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	a-Tocotrienol	AOCS Ce 8-89
84	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	OIls and Fats	Castor Oil	IS 548 (Part II)
85	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	Cottonseed Oil (Halphen Test)	IS 548 (Part II)
86	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	d-Tocopherol	AOCS Ce 8-89
87	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	d-Tocotrienol	AOCS Ce 8-89
88	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	OIls and Fats	g-Oryzanol content	Codex Alimentarius; Codex Stan 210-1999
89	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	g-Tocotrienol	AOCS Ce 8-89
90	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	Hexane	AOCS Ca 3b-87
91	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	Iodine Value	AOCS Cd 1-25
92	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	Mineral Oil	FSSAI Manual of Methods of Analysis of Foods (Oils & Fats)
93	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and fats	Mono Unsaturated Fatty Acids (MUFA): C14:1, C15:1, C16:1, C17:1, C18:1(2), C20:1, C22:1 C24:1	AOCS (2009) Ce 1-62
94	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	Phosphorous Estimation	IUPAC Official Method No. 2.421
95	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and fats	Poly Unsaturated Fatty Acids (PUFA) C18:2, C18:3 (2), 18:3, 18:4, C20:2, V20:3 C20:4, C20:5, C22:2, C22:6	AOCS (2009) Ce 1-62

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96	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	Refractive Index	IS 548 (Part II)
97	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	Saturated Fatty Acids (SFA): C6:0, C8:0, C10:0, C11:0, C12:0, C13:0, C14:0, C15:0, C16:0, C17:0, C18:0, C20:0, C22:0, 23:0, C24:0	AOCS (2009) Ce 1-62
98	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	Sesame Oil (Bouldine Test)	IS 548 (Part II)
99	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	Slip Melting Point	AOCS Cc 3b-92
100	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oils and Fats	Trans Fat Content	AOCS Cd 14c-94
101	CHEMICAL- SOLID FUELS	coal	Ash % (Air-Dried)	IS: 1350 (Part-I)
102	CHEMICAL- SOLID FUELS	Coal	Equilibrate Moisture at 60% Relative Humidity and 40 deg C	IS: 1350 (Part-I)
103	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value kcal/kg as (Air Dried)	IS: 1350 (Part-2)
104	CHEMICAL- SOLID FUELS	Coal	Moisture % (Air Dried)	IS: 1350 (Part-I)
105	CHEMICAL- SOLID FUELS	Coal	Volatile matter as Air Dried Basis	IS: 1350 (Part-I)
106	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 1 A. Toxic Chemicals 4. Sulfur mustards i) 2-Choroethylchloromethylsulfide ii) Bis(2-chloroethyl)sulfide iii) Bis(2-chloroethylthio)methane iv) 1,2-Bis(2-chloroethylthio)ethane v) 1,3-Bis(2-chloroethylthio)-n-propane vi) 1,4-Bis(2-chloroethylthio)-n-butane vii) 1,5-Bis(2-chloroethylthio)-n-pentane viii) Bis(2-chloroethylthiomethyl)ether ix) Bis(2-chloroethylthioethyl)ether & Degradation / reaction products of these chemicals	ROP for analysis in the verification of chemical disarmament (ISBN 978-951-51-3917-7)

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107	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 1 A. Toxic Chemicals 1. O-Alkyl (= C10 including cycloalkyl) alkyl (Me, Et, n-Pr or i-Pr)-phosphonofluoridates e.g. Sarin: O-Isopropyl methylphosphonofluoridate; Soman: O-Pinacolyl methylphosphonofluoridate & Degradation / reaction products of these chemicals	ROP for analysis in the verification of chemical disarmament (ISBN 978-951-51-3917-7)
108	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 1 A. Toxic Chemicals 3. O-Alkyl (H or	ROP for analysis in the verification of chemical disarmament (ISBN 978-951-51-3917-7)
109	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 1 A. Toxic Chemicals 2. O-Alkyl (= C10 including cycloalkyl)N,N-dialkyl (Me, Et, n-Pr or i-Pr)-phosphoramidocyanidates e.g. Tabun: O-Ethyl N,N-dimethyl phosphoramidocyanidate & Degradation / reaction products of these chemicals	ROP/2017 ISBN 978-951-51-3917-7
110	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 1 A. Toxic Chemicals 5. Lewisites i) 2-Chlorovinyldichloroarsine ii) Bis(2-chlorovinyl)chloroarsine iii) Tris(2-chlorovinyl)arsine & Degradation / reaction products of these chemicals	ROP for analysis in the verification of chemical disarmament (ISBN 978-951-51-3917-7)
111	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 1 A. Toxic Chemicals 6. Nitrogen mustards i) Bis(2-chloroethyl)ethylamine ii) Bis(2-chloroethyl)methylamine iii) Tris(2-chloroethyl)amine & Degradation / reaction products of these chemicals	ROP/2017 ISBN 978-951-51-3917-7
112	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 1 A. Toxic Chemicals 7. Saxitoxin	ROP/2017 ISBN 978-951-51-3917-7
113	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 1 B. Precursors 11. Chlorosarin: (O-isopropyl methyl phosphonochloridate) & Degradation / reaction products of these chemicals	ROP/2017 ISBN 978-951-51-3917-7

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114	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 1 B. Precursors 12. Chlorosoman: (O-pinacolyl methyl phosphonochloridate) & Degradation / reaction products of these chemicals	ROP/2017 ISBN 978-951-51-3917-7
115	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 1, B. Precursors 9. Alkyl (Me, Et, n-Pr, i-Pr) phosphonyldifluorides e.g. DF: Methylphosphonyldifluoride & Degradation / reaction products of these chemicals	ROP for analysis in the verification of chemical disarmament (ISBN 978-951-51-3917-7)
116	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 A. Toxic Chemicals 2. PFIB: 1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-propene & Degradation / reaction products of these chemicals	ROP/2017 ISBN 978-951-51-3917-7
117	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 A. Toxic Chemicals 3. 3-Quinuclidinyl benzilate (BZ) & Degradation / reaction products of these chemicals	ROP/2017 ISBN 978-951-51-3917-7
118	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 B. Precursors 4. Chemicals, except for those listed in Schedule 1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl (normal or iso) group but not further carbon atoms e.g. Methylphosphonyl dichloride Dimethyl methylphosphonate Exemption: Fonofos: O-Ethyl S-phenyl ethylphosphonothiolothionate & Degradation / reaction products of these chemicals	ROP for analysis in the verification of chemical disarmament (ISBN 978-951-51-3917-7)
119	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 B. Precursors 10. N,N-dialkyl (Me, Et, n-Pr, i-Pr) aminoethyl-2-chlorides and corresponding protonated salts & Degradation / reaction products of these chemicals	ROP/2017 ISBN 978-951-51-3917-7

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
120	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 B. Precursors 12. N,N-dialkyl (Me, Et, n-Pr, i-Pr) aminoethane-2-thiols and corresponding protonated salts & Degradation / reaction products of these chemicals	ROP/2017 ISBN 978-951-51-3917-7
121	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 B. Precursors 13. Thiodiglycol: Bis(2-hydroxyethyl)sulfide & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
122	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 B. Precursors 14. Pinacolyl alcohol: 3,3-Dimethylbutan-2-ol & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
123	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 B. Precursors 5. N,N-dialkyl (Me, Et, n-Pr, i-Pr) phosphoramidic dihalides & Degradation / reaction products of these chemicals	ROP/2017 ISBN 978-951-51-3917-7
124	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 B. Precursors 7. Arsenic trichloride & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
125	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 B. Precursors 8. 2,2-Diphenyl-2-hydroxyacetic acid. & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
126	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 B. Precursors 9. Quinuclidin-3-ol & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
127	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 B. Precursors 11. N,N,-dialkyl (Me, Et, n-Pr, i-Pr) aminoethane-2-ols and corresponding protonated salts Exemptions: N,N-Dimethylaminoethanol and corresponding protonated salts N,N-Diethylaminoethanol and corresponding protonated salts & Degradation / reaction products of these chemicals	ROP for analysis in the verification of chemical disarmament (ISBN 978-951-51-3917-7)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
128	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 2 B. Precursors 6. Dialkyl (Me, Et, n-Pr, i-Pr) N,N-dialkyl (Me, Et, n-Pr, i-Pr)-phosphoramidates & Degradation / reaction products of these chemicals	ROP for analysis in the verification of chemical disarmament (ISBN 978-951-51-3917-7)
129	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 A. Toxic Chemicals 2. Cyanogen chloride & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
130	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 A. Toxic Chemicals 3. Hydrogen cyanide & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
131	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 A. Toxic Chemicals 4. Chloropicrin: Trichloronitromethane & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
132	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 A. Toxic Chemicals 1. Phosgene: Carbonyl dichloride & Degradation / reaction products of this chemical	ROP for analysis in the verification of chemical disarmament (ISBN 978-951-51-3917-7)
133	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 11. Diethyl phosphite & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
134	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 12. Sulfur monochloride & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
135	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 13. Sulfur dichloride & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
136	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 14. Thionyl chloride & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
137	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 15. Ethyldiethanolamine & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7

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138	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 16. Methyldiethanolamine & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
139	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 17. Triethanolamine & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
140	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 5. Phosphorus oxychloride & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
141	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 6. Phosphorus trichloride & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
142	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 7. Phosphorus pentachloride & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
143	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 8. Trimethyl phosphite & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
144	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 9. Triethyl phosphite & Degradation / reaction products of this chemical	ROP/2017 ISBN 978-951-51-3917-7
145	CHEMICAL- WARFARE CHEMICALS	Environmental samples (Soil/solid materials, Water/aqueous samples, Organic liquids, Polymers, Wipe)	Schedule 3 B. Precursors 10. Dimethyl phosphite & Degradation / reaction products of this chemical	ROP for analysis in the verification of chemical disarmament (ISBN 978-951-51-3917-7)
146	CHEMICAL- WATER	Drinking Water	Color	IS 3025 (PART 4)
147	CHEMICAL- WATER	Drinking Water	Fluoride	CSIR-IICT/PETT/MSL/SP2, Ver. 01
148	CHEMICAL- WATER	Drinking Water	Odor	IS 3025 (Part-5)
149	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part-11)
150	CHEMICAL- WATER	Drinking Water	Taste	IS 3025 (Part -8)
151	CHEMICAL- WATER	Drinking Water	Total dissolved solids	IS 3025 (Part -16)
152	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part -10)