National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NATIONAL DOPE TESTING LABORATORY (NDTL), JAWAHARLAL NEHRU STADIUM COMPLEX, EAST GATE NO. 10, LODHI ROAD, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7216 **Page No** 1 of 8

Validity 23/04/2022 to 22/04/2024 **Last Amended on** -

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	BIOLOGICAL- BIOLOGICAL MONITORING	Human serum	S2.2.3 Peptide Hormones, Immunoassay (hGH Isoforms) (ITP & CP)	NDTL-MN-ITP/CP-01G, Immunoassay, CMZ Assay Kit , Standard Method
2	BIOLOGICAL- BIOLOGICAL MONITORING	Human Serum / Human Plasma / Human Urine	S2.1.1, Peptide Hormones, Growth Factors, Related Substances, and Mimetics EPO (ITP/CP)	NDTL-MN-ITP-01I, Gel Electrophoresis (SAR-PAGE) & Western Blot, Ultrafiltration, Immuno-purification, Lab Developed
3	BIOLOGICAL- BIOLOGICAL MONITORING	Human Urine	S2.2.1, HCG, LH Immunoassay (CP)	NDTL-MN-ITP-01D, NDTL-MN-ITP-01D1, NDTL-MN-ITP-01D2, Kit Based, Standard Method
4	BIOLOGICAL- BIOLOGICAL MONITORING	Human Whole Blood	Heamatological Profiling, M1 Prohibited Method (ITP)	NDTL-MN-ITP-01H, Flow Cytometer, In accordance with WADA ABP Technical Document, Standard Method
5	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Blood Plasma	(M1) Prohibited Method (ITP), Visual Inspection	NDTL-MN-01K
6	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	Specific Gravity (CP)	NDTL-MN-10, Refractometer, Direct, Lab developed
7	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	(S8) Cannbinoids (ITP & CP)	NDTL-MN-ITP-01B, NDTL-MN-ITP-01E, NDTL-MN-30CP, Enzymatic hydrolysis, SPE and derivatization and LLE, LC-MS/MS, GCMS/MS
8	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	(S4.2) SERMS (ITP & CP)	NDTL-MN-01E, NDTL-MN-01B, NDTL-MN-28CP, NDTL-MN-38CP, NDTL-MN-01J, LC-MS/MS, GC-MS/MS, LC-HRMS, Enzymatic Hydrolysis extraction, Liquid liquid extraction, Enzymatic hydrolysis solid phase extraction, dilute & shoot.
9	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	(S4.4.1) AMPK, (S4.4.3) Meldonium, (S4.4.4) Trimetazidine, N-methyltrimetazidine (ITP & CP)	NDTL-ITP-01J, NDTL- ITP-01E, NDTL-MN-37CP, NDTL-ITP-01F, NDTL-MN-26CP; LC-HRMS Dilute & shoot, LC-MS/MS Enzymatic hydrolysis & Liquid-Liquid Extraction. Enzymatic Hydrolysis extraction, Liquid liquid extraction, Enzymatic hydrolysis solid phase extraction, Lab Developed

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7216 **Page No** 2 of 8

Validity 23/04/2022 to 22/04/2024 **Last Amended on** -

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10	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	(S6a) Non-specified stimulants (ITP & CP)	NDTL-ITP-01J, NDTL-ITP-01F, NDTL-MN-21CP, NDTL-ITP-01B, NDTL-MN-33CP, NDTL-MN-55CP, NDTL-MN-28CP; LC-MS/MS, LC-HRMS, GC-MS/MS, GC-NPD/MSD. Dilute and shoot, LLE, SPE, derivatization, LLE with chiral derivatization, Enzymatic hydrolysis
11	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	(S7) Narcotics (ITP & CP)	NDTL-MN-ITP-01B, NDTL-MN-ITP-01F, NDTL-MN-ITP-01J, NDTL-MN-ITP-01E, NDTL-MN-28CP, NDTL-MN-57CP, NDTL-MN-32CP, LC-MS/MS, LC-HRMS, GCMS- MS, dilute and shoot and enzymatic hydrolysis, SPE and derivatization, LLE
12	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	(S9) Glucocorticoids	NDTL-MN-ITP-01E, NDTL-MN-36CP, NDTL-MN-40CP, LC-MS/MS, Enzymatic hydrolysis & Liquid-liquid Extraction.
13	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	Anabolic Agents.(S1.1) (ITP, CP & QP)	NDTL-MN-01B, NDTL-MN-01J, NDTL-MN-28CP, NDTL-MN-29CP, NDTL-MN-18CP, NDTL-MN-01E, NDTL-MN-34CP, NDTL-MN-38CP, NDTL-MN-37CP, GC-MS/MS, GC-C-IRMS (Enzymatic Hydrolysis,solid phase extraction (SPE) and Derivatization. LC-MS/MS Enzymatic hydrolysis, Liquid Liquid Extraction, LC-HRMS, Dilute & Shoot (Lab Developed)
14	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	Appendix 1 & 2 monitoring substance, confounding factors (ITP & CP)	NDTL-MN-ITP-01E, NDTL-MN-ITP-01J, NDTL-MN-23CP, LC MS/MS, LC-HRMS, Enzymatic hydrolysis, LLE, dilute and shoot.

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7216 **Page No** 3 of 8

Validity 23/04/2022 to 22/04/2024 **Last Amended on** -

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15	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	Appendix 1 & 2 monitoring substance, other substances (ITP & CP)	NDTL-MN-ITP-01E, NDTL-MN-ITP-01J, NDTL-MN-37CP, NDTL-MN-26CP, NDTL-MN-ITP-01F, NDTL-MN-32CP, NDTL-MN-ITP-01B, NDTL-MN-28CP, NDTL-MN-55CP, LC-MS/MS, GC-MS/MS, LC- HRMS, Enzymatic hydrolysis, LLE, dilute and shoot and derivatization, SPE
16	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	Ethylglucuronide (ITP & CP)	NDTL-MN-01F, NDTL-MN-23CP, LC-MS/MS; Dilute & Shoot Direct Injection, Lab Developed
17	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	M1 Prohibited Methods (ITP)	NDTL-MN-ITP-01J, NDTL-MN-ITP-01E, LC-HRMS, LC-MS/MS Enzymatic Hydrolysis SPE & Derivatization Dilute & Shoot, Lab Developed
18	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	Monitoring programme, Appendix 1 & 2, Monitoring substances (ITP & CP)	NDTL-MN-ITP-01J, NDTL-MN-ITP-01F, NDTL-MN-ITP-01B, NDTL-MN-ITP-01E, NDTL-MN-55CP; LC-MS/MS, LC-HRMS, GC-MS/MS, dilute and shoot, enzymatic hydrolysis, LLE.
19	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	P1 Beta- Blockers (CP)	NDTL-MN-41CP, NDTL-MN-38CP, LC-MS/MS Enzymatic hydrolysis & Liquid-liquid Extraction. Lab Developed
20	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	P1 Beta- Blockers (ITP)	NDTL-MN-01E, NDTL-MN-01J, LC-HRMS Dilute & shoot, LC-MS/MS Enzymatic hydrolysis & Liquid-Liquid Extraction. Lab Developed
21	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	pH (CP)	NDTL-MN-10, pH Meter, Direct, Lab Developed
22	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S1.2 Other Anabolic Agents (ITP & CP)	NDTL-MN-01B, NDTL-MN-28CP, NDTL-MN-37CP, NDTL-MN-01E, NDTL-MN-01J, LC-HRMS (Dilute & Shoot), LC-MS/MS Enzymatic Hydrolysis (LLE), GC-MS/MS Enzymatic Hydrolysis (SPE), and Derivatization, Lab Developed.

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7216 **Page No** 4 of 8

Validity 23/04/2022 to 22/04/2024 **Last Amended on** -

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23	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S2.1.2 Peptide Hormone (ITP)	NDTL-MN-ITP-01E; LC-MS/MS, Enzymatic hydrolysis and Liquid- liquid extraction. Lab developed.
24	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S2.2.1 Peptide Hormones and their releasing factors (ITP & CP) Immunoassay	NDTL-MN-01L, NDTL-MN-46CP, LCMS/MS, Standard Method and Lab developed method, Solid phase extraction
25	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S2.2.3 & S2.3 Peptide Hormones and their releasing factors (ITP)	NDTL-MN-ITP-01L, LC-MS/MS, Solid phase Extraction, Lab Developed
26	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S2.2.3 Peptide Hormones and their releasing factors (ITP & CP)	NDTL-MN-01L, NDTL-MN-46CP, LCMS/MS, Solid phase extraction
27	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S3 Beta-2 Agonists (ITP, CP, QP)	NDTL-MN-01B, NDTL-MN-01E, NDTL-MN-35CP, NDTL-MN-01J, NDTL-MN-26CP, NDTL-MN-28CP, NDTL-MN-38CP, NDTL-MN-31CP, NDTL-MN-01F, LC-HRMS, LC-MS/MS,GC-MS/MS Dilute & shoot Enzymatic hydrolysis & Liquid-liquid Extraction Enzymatic hydrolysis & Solid-phase Extraction and Derivatization
28	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S4.1, Hormones and metabolic modulators (ITP & CP)	NDTL-MN-01B, NDTL-MN-01J, NDTL-MN-01E, NDTL-MN-28CP, LC-MS/MS, GCMS/MS, LC-HRMS, Enzymatic Hydrolysis, Solid-phase Extraction and derivatization, dilute and shoot, Liquid-Liquid extraction after enzymatic hydrolysis.
29	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S4.2 Anti-Estrogenic Substances (SERMs) (ITP)	NDTL-MN-ITP-01B, NDTL-MN-ITP-01E, NDTL-MN-ITP-01J, LC-MS/MS Enzymatic hydrolysis & Liquid-liquid Extraction, GC-MS/MS Enzymatic hydrolysis & Solid-phase Extraction and Derivatization. LC-HRMS Dilute & Shoot. Lab Developed.
30	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S4.4 Metabolic Modulators (CP)	NDTL-MN-37CP, NDTL-MN-26CP, LC-MS/MS Enzymatic hydrolysis & Liquid-liquid Extraction, Dilute & Shoot, Lab Developed.

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7216 **Page No** 5 of 8

Validity 23/04/2022 to 22/04/2024 **Last Amended on** -

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
31	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S4.4, Metabolic Modulators (ITP)	NDTL-MN-ITP-01J, NDTL-MN-ITP-01E, NDTL-MN-ITP-01F, LC-HRMS (Dilute & Shoot), LC-MS/MS(Enzymatic hydrolysis & Liquid-liquid extraction), LC-MS/MS (Enzymatic hydrolysis & Liquid-liquid extraction), LC-HRMS (Dilute & Shoot), LC-MS/MS(Dilute & Shoot),LC-HRMS (Dilute &Shoot), LC-MS/MS (Dilute & Shoot)
32	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S5, Diuretics and Masking Agents (ITP & CP)	NDTL-MN-01E, NDTL-MN-37CP, NDTL-MN-01J, NDTL-MN-46CP, NDTL-MN-28CP, NDTL-MN-01L, NDTL-MN-01C, NDTL-MN-27CP, LC-HRMS, LC-MS/MS Liquid-liquid Extraction,LC- MS/MS, Dilute & Shoot Enzymatic hydrolysis & Liquid-liquid Extraction,LC- MS/MS, Solid phase extraction. LC-MS/MS,Liquid- liquid extraction.LC- MS/MS, solid phase extraction.Enzymatic hydrolysis &solid phase extraction and Derivatization.
33	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S5, Diuretics and other masking agents (ITP)	NDTL-MN-ITP-01J, NDTL-MN-ITP-01E, NDTL-MN-ITP-01L, NDTL-MN-ITP-01C, LC-HRMS, Dilute and Shoot. LC-MS/MS Enzymatic hydrolysis & Liquid-liquid Extraction, LC-MS/MS, Solid phase extraction, Lab Developed
34	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S6a Non- Specified Stimulants (ITP)	NDTL-MN-ITP-01J, NDTL-MN-ITP-01F, NDTL-MN-ITP-01B, LC-MS/MS Dilute & Shoot, GC-MS/MS Enzymatic hydrolysis & Solid-phase Extraction and Derivatization. LC-HRMS Dilute & Shoot. Lab Developed

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7216 **Page No** 6 of 8

Validity 23/04/2022 to 22/04/2024 **Last Amended on** -

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35	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S6a, Non-specified Stimulants (CP)	NDTL-MN-21CP, NDTL-MN-28CP, NDTL-MN-33CP, NDTL-MN-55CP, LC-MS/MS Enzymatic hydrolysis & Liquid-liquid Extraction, GC-MS/MS Solid-phase Extraction, Liquid-liquid Extraction and Derivatization. LC-HRMS Dilute & Shoot, GC-MS Liquid liquid Extraction & Chiral derivatization Lab Developed
36	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S6b Specified Stimulants (CP)	NDTL-MN-55CP, NDTL-MN-57CP, NDTL-MN-25CP, NDTL-MN-24CP, NDTL-MN-56CP, NDTL-MN-28CP, NDTL-MN-22CP, LC-MS/MS Enzymatic hydrolysis & Liquid-liquid Extraction & Derivatization, GC-MS/MS Liquid liquid extraction and Derivatization. LC-HRMS Dilute & Shoot. GC-MS Liquid liquid extraction & Chiral derivatization Lab Developed.
37	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S6b Specified Stimulants (ITP)	NDTL-MN-ITP-01B, NDTL-MN-ITP-01J, NDTL-MN-ITP-01F, LC-MS/MS Enzymatic hydrolysis & Liquid-liquid Extraction, Dilute & Shoot, GC-MS/MS Enzymatic hydrolysis & Solid-phase Extraction and Derivatization, LC-HRMS Dilute & Shoot, Lab Developed
38	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S6b, Specified Stimulants (ITP, CP & QP)	NDTL-MN-01J, NDTL-MN-01F, NDTL-MN-56CP, NDTL-MN-55CP, NDTL-MN-28CP, NDTL-MN-20CP, NDTL-MN-57CP, NDTL-MN-01B, NDTL-MN-25CP, NDTL-MN-26CP, NDTL-MN-24CP, LC-MS/MS, GC-MS/MS Enzymatic hydrolysis, Solid phase extraction & Derivatization, Liquid liquid extraction & Hydrolysis Dilute & Shoot, Lab Developed.

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7216 **Page No** 7 of 8

Validity 23/04/2022 to 22/04/2024 **Last Amended on** -

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39	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S7 Narcotics (CP)	NDTL-MN-28CP, NDTL-MN-57CP, LC-MS/MS Liquid-liquid Extraction, GC-MS/MS Enzymatic hydrolysis & Solid-phase Extraction and Derivatization. Lab Developed
40	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S7 Narcotics (ITP)	NDTL-MN-ITP-01B, NDTL-MN-ITP-01J, GC-MS/MS Enzymatic hydrolysis & Solid-phase Extraction and Derivatization, LC-HRMS Dilute & Shoot, Lab Developed
41	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S7 Narcotics (QP)	NDTL-MN-32CP, GC-MS/MS Enzymatic hydrolysis & Liquid liquid Extraction and Derivatization, Lab Developed
42	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S8 Cannabinoids (ITP)	NDTL-MN-ITP-01E, NDTL-MN-ITP-01B, LC-MS/MS Enzymatic hydrolysis & Liquid-liquid extraction, GC-MS/MS Enzymatic hydrolysis & solid phase extraction and Derivatization, Lab Developed
43	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S8 Cannabinoids (QP)	NDTL-MN-30CP, GC-MS/MS, Enzymatic Hydrolysis, Solid Phase extraction and Derivatization. Lab Developed
44	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S9 Glucocorticoids (CP)	NDTL-MN-36CP, NDTL-MN-40CP, LC-MS/MS Enzymatic hydrolysis & Liquid-liquid Extraction Lab Developed
45	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine	S9 Glucocorticoids (ITP)	NDTL-MN-ITP-01E, SPE, LLE, LC-MS/MS Enzymatic hydrolysis and Liquid-liquid extraction. Lab Developed.
46	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine, Plasma and Serum	S2.1, EPO, ERA (ITP)	NDTL-MN-01I, Concentrate (AmiconUltra) and Immuno-affinity purification, Electrophoresis and Western Blot
47	CHEMICAL- DRUGS & PHARMACEUTICALS	Human Urine.	S2.1.2 Peptide Hormones, Growth Factors, Related Substances and Mimetics (CP)	NDTL-MN-39CP, LC-MS/MS Enzymatic hydrolysis & Solid phase extraction, Enzymatic hydrolysis & Liquid liquid extraction, Lab Developed

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7216	**Page No**	8 of 8
Validity	23/04/2022 to 22/04/2024	**Last Amended on**	-

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48	CHEMICAL- DRUGS & PHARMACEUTICALS	Nutritional Supplements	Anabolic Agents, Beta-2-Agonists, Hormone and metabolic Modulators, Diuretics, Cannabinoids, Glucocorticosteroids, Beta Blockers, Stimulants, Narcotics,	NDTL-MN-17; SPE; LLE; Direct Injection; GC-MS, GCNPD- MSD, LC-MS/MS