National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : THERAPEUTICS CHEMICAL RESEARCH CORPORATION, 2ND & 3RD FLOOR, SHIV INDUSTRIAL ESTATE, K. V. BALMUKUND MARG, CHINCHPOKLI (EAST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6456 **Page No** 1 of 12

Validity 24/09/2022 to 23/09/2024 **Last Amended on** 20/10/2022

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- ANIMAL FOOD & FEEDS	Animal Feed & Feed Stuff	Crude Fat	IS 7874 Part 1
2	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed & Feed stuff	Acid insoluble ash	IS 7874 Part 1
3	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed & Feed stuff	Crude fiber	IS 7874 Part 1
4	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed & Feed stuff	Crude Protein	IS 7874 Part 1
5	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed & Feed stuff	Moisture	IS 7874 Part 1
6	CHEMICAL- ANIMAL FOOD & FEEDS	Animal feed & feed stuff	Total Ash	IS 7874 Part 1
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains	Damaged Kernel	IS 4333 Part 1
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains	Foreign matter	IS 4333 Part 1:
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food grains	Moisture	IS 4333 Part 2
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains	Shriveled/Shrunken/Broken seeds	IS 4333 Part 1:
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil seeds	Acid value of extracted Oil	IS 3579
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil seeds	Damaged & Weevil- led Seeds	IS 3579
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil seeds	Impurities	IS 3579
14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil seeds	Moisture	IS 3579
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil seeds	Oil	IS 3579

SCOPE OF ACCREDITATION

Laboratory Name :	THERAPEUTICS CHEMICAL RESEARCH CORPORATION, 2ND & 3RD FLOOR, SHIV INDUSTRIAL ESTATE, K. V. BALMUKUND MARG, CHINCHPOKLI (EAST), MUMBAI, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6456
Page No	2 of 12
Validity	24/09/2022 to 23/09/2024
Last Amended on	20/10/2022

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
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds	Shriveled & Immature Seeds	IS 3579
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds	Split & Broken	IS 3579
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments	Acid insoluble Ash	IS 1797
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments	Moisture	IS 1797
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & condiments	Total Ash	IS 1797
21	CHEMICAL- ORES & MINERALS	Barites	Transport moisture limit (TML)	IMSBC Appendix 2;1.1, Flow table test
22	CHEMICAL- ORES & MINERALS	Barites	Transport moisture limit (TML)	IMSBC Appendix 2;1.3 & 1.4; Proctor/Fagerberg & modified proctor/Fagerberg
23	CHEMICAL- ORES & MINERALS	Bauxite	Alumina (Al2O3)	IS 2000 Part 3
24	CHEMICAL- ORES & MINERALS	Bauxite	Ferric oxide (Fe2O3)	IS 2000 Part 4
25	CHEMICAL- ORES & MINERALS	Bauxite	Loss of Ignition (LOI)	IS 2000 Part I
26	CHEMICAL- ORES & MINERALS	Bauxite	Moisture	TCRC/SOP/baux-Mois/2
27	CHEMICAL- ORES & MINERALS	Bauxite	Potassium Oxide (K2O)	IS 9497
28	CHEMICAL- ORES & MINERALS	Bauxite	Sampling	IS 1999
29	CHEMICAL- ORES & MINERALS	Bauxite	Silica (SiO2)	IS 2000 Part 2
30	CHEMICAL- ORES & MINERALS	Bauxite	Sodium Oxide (Na2O)	IS 9497
31	CHEMICAL- ORES & MINERALS	Bauxite	Titanium dioxide (TiO2)	SOP:TPMTCRC/3/A1 (ICP-OES), Issue date 1
32	CHEMICAL- ORES & MINERALS	Bauxite	Titanium oxide (TiO2)	IS 2000 Part 5

SCOPE OF ACCREDITATION

Laboratory Name :	THERAPEUTICS CHEMICAL RESEARCH CORPORATION, 2ND & 3RD FLOOR, SHIV INDUSTRIAL ESTATE, K. V. BALMUKUND MARG, CHINCHPOKLI (EAST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6456	**Page No**	3 of 12
Validity	24/09/2022 to 23/09/2024	**Last Amended on**	20/10/2022

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
33	CHEMICAL- ORES & MINERALS	Bauxite	Transport moisture limit (TML)	IMSBC Appendix 2,1.3 ,1.4. Proctor/Fagerberg
34	CHEMICAL- ORES & MINERALS	Bauxite	Transport moisture Limit (TML)	IMSBC Appendix 2.1.1 , Flow Table Method,
35	CHEMICAL- ORES & MINERALS	Chromium ore	Transport moisture limit (TML)	IMSBC Appendix 2;1.1, Flow table test
36	CHEMICAL- ORES & MINERALS	Chromium ores	Transport moisture limit (TML)	IMSBC Appendix 2;1.3 & 1.4Proctor/Fagerberg &modified Proctor/fagerberg
37	CHEMICAL- ORES & MINERALS	Iron ores	Sampling	IS 1405
38	CHEMICAL- ORES & MINERALS	Iron ores	Alumina (Al2O3)	IS 1493 Part I
39	CHEMICAL- ORES & MINERALS	Iron ores	Alumina as Al2O3	Indian Bureau of Mines (EDTA Complexometry Back Titration)
40	CHEMICAL- ORES & MINERALS	Iron Ores	Calcium Oxide (CaO)	IS 1493 Part 1
41	CHEMICAL- ORES & MINERALS	Iron ores	Loss of ignition (LOI)	ISO 11536
42	CHEMICAL- ORES & MINERALS	Iron ores	Magnesium Oxide (MgO)	IS 1493 Part 1
43	CHEMICAL- ORES & MINERALS	Iron ores	Moisture	IS 11690
44	CHEMICAL- ORES & MINERALS	Iron ores	Phosphorus (P)	IS 1493 Part 1
45	CHEMICAL- ORES & MINERALS	Iron ores	Potassium Oxide (K2O)	SOP:TPM/TCRC/1/B1 (ICP-OES)
46	CHEMICAL- ORES & MINERALS	Iron ores	Silica (SiO2)	IS 1493 Part 1
47	CHEMICAL- ORES & MINERALS	Iron ores	Sodium Oxide (Na2O)	SOP: TPM/TCRC/1(ICP-OES)/A1
48	CHEMICAL- ORES & MINERALS	Iron Ores	Sulfur (S)	IS 1493 Part 1
49	CHEMICAL- ORES & MINERALS	Iron ores	Titanium dioxide (TiO2)	ISO 11535
50	CHEMICAL- ORES & MINERALS	Iron Ores	Total Iron (Fe)	IS 1493 Part I

SCOPE OF ACCREDITATION

Laboratory Name :	THERAPEUTICS CHEMICAL RESEARCH CORPORATION, 2ND & 3RD FLOOR, SHIV INDUSTRIAL ESTATE, K. V. BALMUKUND MARG, CHINCHPOKLI (EAST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6456	**Page No**	4 of 12
Validity	24/09/2022 to 23/09/2024	**Last Amended on**	20/10/2022

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
51	CHEMICAL- ORES & MINERALS	Iron ores	Transport moisture limit (TML)	IMSBC Appendix 2, 1.1 Flow Table test
52	CHEMICAL- ORES & MINERALS	Iron ores	Transport moisture limit (TML)	IMSBC Appendix 2, 1.3 &1.4 , Proctor/Fagerberg &Modified proctor/Fagerberg
53	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Acid insoluble	Indian Bureau of Mines, Page number 91
54	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Alumina (Al2O3)	IS 1760 Part 3
55	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Calcium Oxide (CaO)	IS 1760 Part 3
56	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Ferric Oxide (Fe2O3)	IS 1760 Part 3
57	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Ferric Oxide (Fe2O3)	SOP:TPM/TCRC/2/A1 (ICP-OES), Issue No. 1
58	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Loss of Ignition (LOI)	IS 1760 Part 1
59	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Magnesium oxide (MgO)	IS 1760 Part 3
60	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Moisture	IS 997
61	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Sampling	IS 2109
62	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Silica (SiO2)	IS 1760 Part 2
63	CHEMICAL- ORES & MINERALS	Manganese ore	Alumina (Al2O3)	IS 1473
64	CHEMICAL- ORES & MINERALS	Manganese ore	Manganese dioxide (MnO2)	IS 1473
65	CHEMICAL- ORES & MINERALS	Manganese ore	Moisture	ISO 4299
66	CHEMICAL- ORES & MINERALS	Manganese ore	Phosphorus (P)	IS 1473
67	CHEMICAL- ORES & MINERALS	Manganese ore	Sulfur (S)	IS 1473
68	CHEMICAL- ORES & MINERALS	Manganese ore	Total Iron (Fe)	IS 1473

SCOPE OF ACCREDITATION

Laboratory Name :	THERAPEUTICS CHEMICAL RESEARCH CORPORATION, 2ND & 3RD FLOOR, SHIV INDUSTRIAL ESTATE, K. V. BALMUKUND MARG, CHINCHPOKLI (EAST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6456	**Page No**	5 of 12
Validity	24/09/2022 to 23/09/2024	**Last Amended on**	20/10/2022

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- ORES & MINERALS	Manganese ore	Transport moisture limit (TML)	IMSBC Appendix 2, 1.1, Flow table, Edition 2020
70	CHEMICAL- ORES & MINERALS	Manganese Ores	Manganese (Mn)	IS 1473
71	CHEMICAL- ORES & MINERALS	Manganese ores	Silica (SiO2)	IS 1473
72	CHEMICAL- ORES & MINERALS	Manganese ores	Transport moisture limit (TML)	IMSBC Appendix 2, Edition 2020,1.3 & 1.4 (PF Method)
73	CHEMICAL- ORES & MINERALS	Quartz	Alumina(Al2O3)	SOP:TPM/TCRC/4/A1 (ICP-OES), Issue No.1
74	CHEMICAL- ORES & MINERALS	Quartz	Ferric Oxide (Fe2O3)	SOP:TPM/TCRC/4/B1 (ICP-OES), Issue No.1
75	CHEMICAL- ORES & MINERALS	Quartz	Potassium Oxide (K2O)	SOP:TPM/TCRC/4/D1(ICP-OES), Issue No. 1
76	CHEMICAL- ORES & MINERALS	Quartz	Sodium Oxide (Na2O)	SOP:TPM/TCRC/4/D1 (ICP-OES),Issue No.1
77	CHEMICAL- ORES & MINERALS	Quartz	Titanium dioxide (TiO2)	SOP:TPM/TCRC/4/E1(ICP-OES), Issue No.1
78	CHEMICAL- ORES & MINERALS	Quartzite & High Silica sand	Loss of Ignition (LOI)	IS 1917 Part 1
79	CHEMICAL- ORES & MINERALS	Quartzite & high silica sand	Moisture	TCRC/SOP/QTZ-HSS-Mois/4
80	CHEMICAL- ORES & MINERALS	Quartzite & High Silica Sand	Potassium Oxide (K2O)	IS 1917 Part 2
81	CHEMICAL- ORES & MINERALS	Quartzite & High Silica sand	Silica (SiO2)	IS 1917 Part 3
82	CHEMICAL- ORES & MINERALS	Quartzite & High Silica Sand	Sodium Oxide (Na2O)	IS 1917 Part 2
83	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels	Sulfur	ASTM D 129
84	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels	Sulfur	ASTM D1552
85	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels	Water	ASTM D 95
86	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels	Water	ISO 3733
87	CHEMICAL- PETROLEUM AND PRODUCTS	Petroleum	Ash	ISO 6245

SCOPE OF ACCREDITATION

Laboratory Name :	THERAPEUTICS CHEMICAL RESEARCH CORPORATION, 2ND & 3RD FLOOR, SHIV INDUSTRIAL ESTATE, K. V. BALMUKUND MARG, CHINCHPOKLI (EAST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6456	**Page No**	6 of 12
Validity	24/09/2022 to 23/09/2024	**Last Amended on**	20/10/2022

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
88	CHEMICAL- PETROLEUM AND PRODUCTS	Petroleum products	Ash	ASTM D 482
89	CHEMICAL- PETROLEUM AND PRODUCTS	Petroleum Products	Density	ASTM D 1298
90	CHEMICAL- PETROLEUM AND PRODUCTS	Petroleum products	Density	ISO 3675
91	CHEMICAL- SOLID FUELS	Coal	Sampling	IS 436 Part-1
92	CHEMICAL- SOLID FUELS	Coal	Ash (Air-dried/ As-determine/Dried/Eqilibrated)	ASTM D 3174
93	CHEMICAL- SOLID FUELS	Coal	Ash (Air-dried/ As-determine/Dried/Eqilibrated)	IS 1350 Part I
94	CHEMICAL- SOLID FUELS	Coal	Ash (Air-dried/ As-determine/Dried/Eqilibrated)	ISO 1171
95	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number/Free swelling Index (CSN)	ASTM D 720
96	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number/Free Swelling Index (CSN)	IS 1353 Part 1
97	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number/Free Swelling Index (CSN)	ISO 501
98	CHEMICAL- SOLID FUELS	Coal	Equilibrated Moisture	IS 1350 Part 1
99	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon (Air-dried/As determined/Dried basis) (FC)	ISO 17246
100	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon(Air Dried/As determined/Dried basis)	ASTM D 3172
101	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon(air-dried/as determined/Dried basis)	IS 1350 Part 1
102	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value as GCV (Air-dried/As determined/Dried basis)	ASTM D 5865
103	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value as GCV (Air-dried/As determined/Dried basis)	IS 1350 Part 2
104	CHEMICAL- SOLID FUELS	Coal	Gross calorific Value as GCV (Air-dried/As determined/Dried basis)	ISO 1928:
105	CHEMICAL- SOLID FUELS	Coal	Hard Groove Grind ability Index (HGI)	IS 4433

SCOPE OF ACCREDITATION

Laboratory Name : THERAPEUTICS CHEMICAL RESEARCH CORPORATION, 2ND & 3RD FLOOR, SHIV INDUSTRIAL ESTATE, K. V. BALMUKUND MARG, CHINCHPOKLI (EAST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6456 **Page No** 7 of 12

Validity 24/09/2022 to 23/09/2024 **Last Amended on** 20/10/2022

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
106	CHEMICAL- SOLID FUELS	Coal	Hard Groove Grind ability Index (HGI)	ASTM D 409
107	CHEMICAL- SOLID FUELS	Coal	Hard Groove Grind ability Index (HGI)	ISO 5074
108	CHEMICAL- SOLID FUELS	Coal	Moisture (air dried/As determine/Dried Basis)	IS 1350 Part 1
109	CHEMICAL- SOLID FUELS	Coal	Moisture (Air dried/As determine/Dry Basis)	ISO 11722
110	CHEMICAL- SOLID FUELS	Coal	Moisture(Air dried/As determine/Dried basis)	ASTM D 3173
111	CHEMICAL- SOLID FUELS	Coal	Net Calorific Value as NCV (Air-dried/As determined/Dried basis)	ISO 1928
112	CHEMICAL- SOLID FUELS	Coal	Net Calorific Value as NCV (Air-dried/As determined/Dried basis)	ASTM D 5865
113	CHEMICAL- SOLID FUELS	Coal	Net Calorific Value as NCV (Air-dried/As determined/Dried basis)	IS 1350 Part 2
114	CHEMICAL- SOLID FUELS	Coal	Sampling	ASTM D 4596
115	CHEMICAL- SOLID FUELS	Coal	Sampling	ASTM D 6883
116	CHEMICAL- SOLID FUELS	Coal	Sampling	ASTMD 2234
117	CHEMICAL- SOLID FUELS	Coal	Total moisture (As received basis) (TM)	ISO 589
118	CHEMICAL- SOLID FUELS	Coal	Total Moisture (As received basis)(TM)	IS 1350 Part 1
119	CHEMICAL- SOLID FUELS	Coal	Total Moisture (As received basis)(TM)	ASTM D2961
120	CHEMICAL- SOLID FUELS	Coal	Total Moisture(As received basis)(TM)	ASTM D 3302
121	CHEMICAL- SOLID FUELS	Coal	Total sulfur (S)	ASTM D 4239
122	CHEMICAL- SOLID FUELS	Coal	Total Sulphur (S)	IS 1350 Part III
123	CHEMICAL- SOLID FUELS	Coal	Total Sulphur (S)	ISO 19579
124	CHEMICAL- SOLID FUELS	Coal	Total Sulphur (S)	ISO 334:
125	CHEMICAL- SOLID FUELS	Coal	Transport moisture limit	IMSBC Appendix 2.1.3;1.4;Modified Proctor/Fagerberg method, Edition

SCOPE OF ACCREDITATION

Laboratory Name :	THERAPEUTICS CHEMICAL RESEARCH CORPORATION, 2ND & 3RD FLOOR, SHIV INDUSTRIAL ESTATE, K. V. BALMUKUND MARG, CHINCHPOKLI (EAST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6456	**Page No**	8 of 12
Validity	24/09/2022 to 23/09/2024	**Last Amended on**	20/10/2022

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
126	CHEMICAL- SOLID FUELS	Coal	Volatile matter (air-dried/As determined/Dried basis)	ASTM D 3175
127	CHEMICAL- SOLID FUELS	Coal	Volatile matter (air-dried/As determined/Dried basis)	IS 1350 Part 1
128	CHEMICAL- SOLID FUELS	Coal	Volatile matter (air-dried/As determined/Dried basis)	ISO 562
129	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Sphere temperature.(ST)	ISO 540
130	CHEMICAL- SOLID FUELS	coal & Coke	Ash fusion temperature in oxidising atmosphere. Hemisphere temperature (HT)	IS 12891
131	CHEMICAL- SOLID FUELS	coal & Coke	Ash fusion temperature in oxidising atmosphere. Sphere temperature (ST)	IS 12891
132	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere.Hemisphere temperature.(HT)	ASTM D 1857
133	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Deformation temperature (DT)	IS 12891
134	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Deformation temperature.(DT)	ISO 540
135	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Flow temperature (FT)	ASTM D 1857
136	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Flow temperature (FT)	IS 12891
137	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Flow temperature (FT)	ISO 540
138	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Hemisphere temperature.(HT)	ISO 540
139	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere:Deformation temperature.(DT).	ASTM D 1857

SCOPE OF ACCREDITATION

Laboratory Name :	THERAPEUTICS CHEMICAL RESEARCH CORPORATION, 2ND & 3RD FLOOR, SHIV INDUSTRIAL ESTATE, K. V. BALMUKUND MARG, CHINCHPOKLI (EAST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6456	**Page No**	9 of 12
Validity	24/09/2022 to 23/09/2024	**Last Amended on**	20/10/2022

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
140	CHEMICAL- SOLID FUELS	Coal & coke	Ash fusion temperature in oxidising atmosphere:Sphere temperature.(ST).	ASTM D 1857
141	CHEMICAL- SOLID FUELS	coal & coke	Ash fusion temperature in Reducing atmosphere. Flow temperature(FT)	ISO 540
142	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere: .Hemisphere temperature.(HT)	IS 12891
143	CHEMICAL- SOLID FUELS	coal & Coke	Ash fusion temperature in reducing atmosphere: Deformation temperature (DT)	IS 12891
144	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere: Deformation temperature.(DT)	ASTM D 1857
145	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere: Deformation temperature.(DT)	ISO 540
146	CHEMICAL- SOLID FUELS	Coal & Coke	Ash Fusion Temperature in reducing atmosphere: Flow temperature (FT)	IS 12891
147	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere: Flow temperature(FT)	ASTM D 1857
148	CHEMICAL- SOLID FUELS	coal & Coke	Ash fusion temperature in reducing atmosphere: Hemisphere temperature.(HT)	ISO 540
149	CHEMICAL- SOLID FUELS	Coal & coke	Ash fusion temperature in reducing atmosphere: Sphere temperature(ST)	ISO 540
150	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere: Sphere temperature.(ST)	ASTM D 1857
151	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere: Sphere temperature.(ST).	IS 12891
152	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere:. .Hemisphere temperature.(HT)	ASTM D 1857
153	CHEMICAL- SOLID FUELS	Coal & coke	Carbon (C)	ASTM D 5373
154	CHEMICAL- SOLID FUELS	Coal & Coke	Carbon (C)	ISO 29541

SCOPE OF ACCREDITATION

Laboratory Name :	THERAPEUTICS CHEMICAL RESEARCH CORPORATION, 2ND & 3RD FLOOR, SHIV INDUSTRIAL ESTATE, K. V. BALMUKUND MARG, CHINCHPOKLI (EAST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6456	**Page No**	10 of 12
Validity	24/09/2022 to 23/09/2024	**Last Amended on**	20/10/2022

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
155	CHEMICAL- SOLID FUELS	Coal & Coke	Hydrogen (H)	ASTM D 5373
156	CHEMICAL- SOLID FUELS	Coal & Coke	Hydrogen (H)	ISO 29541
157	CHEMICAL- SOLID FUELS	Coal & Coke	Nitrogen (N)	ASTM D 5373
158	CHEMICAL- SOLID FUELS	Coal & Coke	Nitrogen (N)	ISO 29541
159	CHEMICAL- SOLID FUELS	Coal & Coke	Oxygen (O)	ASTM D 3176
160	CHEMICAL- SOLID FUELS	Coal & Coke	Oxygen (O)	ISO 29541
161	CHEMICAL- SOLID FUELS	Coal & Coke	Phosphorus (P)	IS 1355
162	CHEMICAL- SOLID FUELS	Coal & Coke	Phosphorus (P)	ISO 622
163	CHEMICAL- SOLID FUELS	Coal & Coke (Elemental analysis of ash)	Calcium as CaO	ASTM D 6349
164	CHEMICAL- SOLID FUELS	Coal & Coke (Elemental analysis of ash)	Iron as Fe2O3	ASTM D 6349
165	CHEMICAL- SOLID FUELS	Coal & Coke (Elemental analysis of ash)	Magnesium as MgO	ASTM D 6349
166	CHEMICAL- SOLID FUELS	Coal & Coke (Elemental analysis of ash)	Nickel as Ni	ASTM D 6357
167	CHEMICAL- SOLID FUELS	Coal & Coke (Elemental analysis of ash)	Potassium as K2O	ASTM D 6349
168	CHEMICAL- SOLID FUELS	Coal & Coke (Elemental analysis of ash)	Sodium as Na2O	ASTM D 6349
169	CHEMICAL- SOLID FUELS	Coal & Coke (Ash element analysis)	Sulfur as SO3	ASTM D 6349
170	CHEMICAL- SOLID FUELS	Coal & Coke (Ash elemental analysis)	Manganese as MnO	ASTM D 6349
171	CHEMICAL- SOLID FUELS	Coal & Coke (Ash elemental analysis)	Phosphorus as P2O5	ASTM D 6349
172	CHEMICAL- SOLID FUELS	Coal & Coke (Ash elemental analysis)	Titanium as TiO2	ASTM D 6349
173	CHEMICAL- SOLID FUELS	Coal & Coke (Ash elemental analysis)	Vanadium as V	ASTM D 6357
174	CHEMICAL- SOLID FUELS	Coal & Coke (Ash elemental analysis)	Zinc as Zn	ASTM D 6349
175	CHEMICAL- SOLID FUELS	Coal & Coke (Chemical composition of ash)	Aluminum as Al2O3	IS 1355
176	CHEMICAL- SOLID FUELS	Coal & Coke (Chemical composition of ash)	Calcium as CaO	IS 1355
177	CHEMICAL- SOLID FUELS	Coal & Coke (Chemical composition of ash)	Iron as Fe2O3	IS 1355
178	CHEMICAL- SOLID FUELS	Coal & Coke (Chemical composition of ash)	Magnesium as MgO	IS 1355
179	CHEMICAL- SOLID FUELS	Coal & Coke (Chemical composition of ash)	Manganese as MnO	IS 1355
180	CHEMICAL- SOLID FUELS	Coal & Coke (Chemical composition of ash)	Phosphorus as P2O5	IS 1355
181	CHEMICAL- SOLID FUELS	Coal & Coke (Chemical composition of ash)	Potassium Oxide as K2O	IS 1355
182	CHEMICAL- SOLID FUELS	Coal & Coke (Chemical composition of ash)	Silica as SiO2	IS 1355
183	CHEMICAL- SOLID FUELS	Coal & Coke (Chemical composition of ash)	Sodium as Na2O	IS 1355
184	CHEMICAL- SOLID FUELS	Coal & Coke (Chemical composition of ash)	Sulfur as SO3	IS 1355

SCOPE OF ACCREDITATION

Laboratory Name : THERAPEUTICS CHEMICAL RESEARCH CORPORATION, 2ND & 3RD FLOOR, SHIV INDUSTRIAL ESTATE, K. V. BALMUKUND MARG, CHINCHPOKLI (EAST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6456 **Page No** 11 of 12

Validity 24/09/2022 to 23/09/2024 **Last Amended on** 20/10/2022

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
185	CHEMICAL- SOLID FUELS	Coal & Coke (Chemical composition of ash)	Titanium as TiO2	IS 1355
186	CHEMICAL- SOLID FUELS	Coal & Coke (Elemental analysis of ash)	Silica as SiO2	ASTM D 6349
187	CHEMICAL- SOLID FUELS	Coal;&Coke (Elemental analysis of ash)	Alumina as Al2O3	ASTM D 6349
188	CHEMICAL- SOLID FUELS	Coke	Ash (Air-dried/ As-determine/Dried/Eqilibrated)	ASTM 3174
189	CHEMICAL- SOLID FUELS	Coke	Ash (Air-dried/ As-determine/Dried/Eqilibrated)	ISO 1171
190	CHEMICAL- SOLID FUELS	Coke	Ash (Air-dried/As determined/Dried/Equilibrated)	IS 1350 Part 1
191	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon (Air-dried/As determined/Dried basis)	ISO 17246
192	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon(Air Dried/As determined/Dried basis) (FC)	ASTM D 3172
193	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon(air-dried/as determined/Dried basis) (FC)	IS 1350 Part 1
194	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value as GCV (Air-dried/As determined/Dried basis)	ASTM D 5865
195	CHEMICAL- SOLID FUELS	Coke	Gross Calorific Value as GCV (Air-dried/As determined/Dried basis)	IS 1350 Part 2
196	CHEMICAL- SOLID FUELS	Coke	Gross calorific Value as GCV (Air-dried/As determined/Dried basis)	ISO 1928
197	CHEMICAL- SOLID FUELS	Coke	Moisture (air-dried/As determined/Dried Basis)	ASTM D 3173
198	CHEMICAL- SOLID FUELS	Coke	Moisture (air-dried/As determined/Dried Basis)	IS 1350 Part 1
199	CHEMICAL- SOLID FUELS	Coke	Moisture (air-dried/As determined/Dried Basis)	ISO 11722
200	CHEMICAL- SOLID FUELS	Coke	Net Calorific Value as NCV (Air-dried/As determined/Dried basis)	ASTM D 5865
201	CHEMICAL- SOLID FUELS	Coke	Net Calorific Value as NCV (Air-dried/As determined/Dried basis)	IS 1350 Part 2
202	CHEMICAL- SOLID FUELS	Coke	Net Calorific Value as NCV (Air-dried/As determined/Dried basis)	ISO 1928

SCOPE OF ACCREDITATION

Laboratory Name :	THERAPEUTICS CHEMICAL RESEARCH CORPORATION, 2ND & 3RD FLOOR, SHIV INDUSTRIAL ESTATE, K. V. BALMUKUND MARG, CHINCHPOKLI (EAST), MUMBAI, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6456	**Page No**	12 of 12
Validity	24/09/2022 to 23/09/2024	**Last Amended on**	20/10/2022

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
203	CHEMICAL- SOLID FUELS	Coke	Sampling	ASTM D 346
204	CHEMICAL- SOLID FUELS	Coke	Sampling	ISO 18283
205	CHEMICAL- SOLID FUELS	Coke	Total moisture (As received basis)	IS 1350 Part 1
206	CHEMICAL- SOLID FUELS	Coke	Total moisture (As received basis)	ISO 579
207	CHEMICAL- SOLID FUELS	Coke	Total Sulphur	ASTM D 4239
208	CHEMICAL- SOLID FUELS	Coke	Total Sulphur	IS 1350 Part 3
209	CHEMICAL- SOLID FUELS	Coke	Total Sulphur	ISO 19579
210	CHEMICAL- SOLID FUELS	Coke	Total Sulphur	ISO 334
211	CHEMICAL- SOLID FUELS	Coke	Volatile matter (air-dried/As determined/Dried basis)	ASTM D 3175
212	CHEMICAL- SOLID FUELS	Coke	Volatile matter (air-dried/As determined/Dried basis)	IS 1350 Part 1
213	CHEMICAL- SOLID FUELS	Coke	Volatile matter (air-dried/As determined/Dried basis)	ISO 562
214	CHEMICAL- SOLID FUELS	Graphite	Ash	IS 1305
215	CHEMICAL- SOLID FUELS	Graphite	Moisture	IS 1305
216	CHEMICAL- SOLID FUELS	Graphite	Non graphite carbon	IS 1305
217	CHEMICAL- SOLID FUELS	Graphite	Volatile matter	IS 1305
218	CHEMICAL- SOLID FUELS	Pet Coke	Carbon	ASTM D 5373
219	CHEMICAL- SOLID FUELS	Pet Coke	Hydrogen	ASTM D 5373
220	CHEMICAL- SOLID FUELS	Pet Coke	Nitrogen	ASTM D 5373
221	CHEMICAL- SOLID FUELS	Pet Coke	Oxygen	ASTM D 3176
222	CHEMICAL- SOLID FUELS	Pet Coke	Total moisture (As received)	ASTM D 4931