



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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 / 13

Validity 24/09/2019 to 23/09/2021 Last Amended on 03/10/2019

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) RA 2014: 1975
2	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed & Feed stuff	Acid insoluble ash	IS 7874(Part 1) RA 2014: 1975
3	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed & Feed stuff	Crude fiber	IS 7874 (Part 1) RA 2014: 1975
4	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed & Feed stuff	Crude Protein	IS 7874(Part 1) RA 2014: 1975
5	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed & Feed stuff	Moisture	IS 7874(Part 1) RA 2014: 1975
6	CHEMICAL- ANIMAL FOOD & FEEDS	Animal feed & feed stuff	Total Ash	IS 7874(Part 1) RA 2014: 1975
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains	Damaged Kernel	IS 4333 (part 1): 2018
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains	Foreign matter	IS 4333 (Part 1): 2018
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food grains	Moisture	IS 4333 (Part 2): 2017
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains	Shriveled/Shrunken/Broken seeds	IS 4333 (Part 1): 2018
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil seeds	Acid value of extracted Oil	IS 3579 RA 2015: 1966



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12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil seeds	Damaged & Weevil- led Seeds	IS 3579 RA 2015: 1966
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil seeds	Impurities	IS 3579 RA 2015: 1966
14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil seeds	Moisture	IS 3579 RA 2015: 1966
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil seeds	Oil	IS 3579 RA 2015: 1966
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds	Shriveled & Immature Seeds	IS 3579 RA 2015: 1966
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Oil Seeds	Split & Broken	IS 3579 RA 2015: 1966
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments	Acid insoluble Ash	IS 1797: 2017
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments	Moisture	IS 1797: 2017
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & condiments	Total Ash	IS 1797: 2017



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21	CHEMICAL- ORES & MINERALS	Barites	Transport moisture limit (TML)	IMSBC Appendix 2;1.3 & 1.4; Proctor/Fagerberg & modified proctor/Fagerberg: 2018
22	CHEMICAL- ORES & MINERALS	Barites	Transport moisture limit (TML)	IMSBC Appendix 2;1.1, Flow table test: 2018
23	CHEMICAL- ORES & MINERALS	Bauxite	Alumina	IS 2000 Part 3,RA 2017: 1985
24	CHEMICAL- ORES & MINERALS	Bauxite	Ferric oxide	IS 2000 Part 4 RA 2017: 1985
25	CHEMICAL- ORES & MINERALS	Bauxite	Loss on Ignition	IS 2000 (Part I) RA 2017: 1985
26	CHEMICAL- ORES & MINERALS	Bauxite	Moisture	TCRC/SOP/baux-Mois/02: 2017
27	CHEMICAL- ORES & MINERALS	Bauxite	Potassium Oxide	IS 9497: RA 2015: 1980
28	CHEMICAL- ORES & MINERALS	Bauxite	Sampling	IS 1999:RA 2014: 1987
29	CHEMICAL- ORES & MINERALS	Bauxite	Silica	IS 2000 Part 2: RA 2017: 1985
30	CHEMICAL- ORES & MINERALS	Bauxite	Sodium Oxide	IS 9497:RA 2015: 1980
31	CHEMICAL- ORES & MINERALS	Bauxite	Titanium oxide	IS 2000 Part 5:RA 2017: 1985



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32	CHEMICAL- ORES & MINERALS	Bauxite	Transport moisture Limit (TML)	IMSBC Appendix 2.1.1 , Flow Table Method, : 2018
33	CHEMICAL- ORES & MINERALS	Bauxite	Transport moisture limit (TML)	IMSBC Appendix 2,1.3 ,1.4. Proctor/Fagerberg: 2018
34	CHEMICAL- ORES & MINERALS	Chromium ore	Transport moisture limit (TML)	IMSBC Appendix 2;1.1, Flow table test: 2018
35	CHEMICAL- ORES & MINERALS	Chromium ores	Transport moisture limit (TML)	IMSBC Appendix 2;1.3 & 1.4Proctor/Fagerberg &modified Proctor/fagerberg: 2018
36	CHEMICAL- ORES & MINERALS	Iron ores	Sampling	IS 1405:RA 2016: 2010
37	CHEMICAL- ORES & MINERALS	Iron ores	Aluminium	IS 1493 (Part I) RA 2017: 1985
38	CHEMICAL- ORES & MINERALS	Iron ores	Loss on ignition	TCRC/SOP/LOI-IOF/5: 2019
39	CHEMICAL- ORES & MINERALS	Iron ores	Moisture	IS 11690:RA 2014: 1986
40	CHEMICAL- ORES & MINERALS	Iron ores	Moisture	IS 1493(Part I):RA 2016: 1981
41	CHEMICAL- ORES & MINERALS	Iron ores	Phosphorus	IS 1493 Part I:RA 2016: 1981
42	CHEMICAL- ORES & MINERALS	Iron ores	Silica	IS 1493 Part I:RA 2016: 1981



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43	CHEMICAL- ORES & MINERALS	Iron Ores	Sulphur	IS 1493 Part I:RA 2016: 1981
44	CHEMICAL- ORES & MINERALS	Iron Ores	Total Iron	IS 1493 Part I:RA 2016: 1981
45	CHEMICAL- ORES & MINERALS	Iron ores	Transport moisture limit (TML)	IMSBC Appendix 2, 1.3 & 1.4, Proctor/Fagerberg & Modified proctor/Fagerberg: 2018
46	CHEMICAL- ORES & MINERALS	Iron ores	Transport moisture limit (TML)	IMSBC Appendix 2, 1.1 Flow Table test: 2018
47	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Alumina	IS 1760 Part 3:RA 2017: 1991
48	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Calcium Oxide	IS 1760 Part 3:RA 2017: 1991
49	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Ferric Oxide	IS 1760 Part 3: RA 2017: 1991
50	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Loss on Ignition	IS 1760 Part 1:RA 2017: 1991
51	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Magnesium oxide	IS 1760 Part 3:RA 2017: 1991
52	CHEMICAL- ORES & MINERALS	Limestone & dolomite	Sampling	IS 2109:RA 2014: 1982
53	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Silica	IS 1760 Part 2:RA 2017: 1991
54	CHEMICAL- ORES & MINERALS	Quartzite & High Silica sand	Loss on Ignition	IS 1917:Part 1 RA 2017:1917: 1991



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55	CHEMICAL- ORES & MINERALS	Quartzite & high silica sand	Moisture	TCRC/SOP/QTZ-HSS-Mois/4: 2018
56	CHEMICAL- ORES & MINERALS	Quartzite & High Silica Sand	Potassium Oxide	IS 1917:Part 2:RA 2017: 1991
57	CHEMICAL- ORES & MINERALS	Quartzite & High Silica sand	Silica	IS 1917 Part 3:RA 2017: 1992
58	CHEMICAL- ORES & MINERALS	Quartzite & High Silica Sand	Sodium Oxide	IS 1917 Part 2:RA 2017: 1991
59	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels	Moisture	ASTM D 95: 2018
60	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels	Moisture	ASTM E 203: 2016
61	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels	Sulphur	ASTM D 129: 2018
62	CHEMICAL- PETROLEUM AND PRODUCTS	Fuels	Total sulphur	ASTM D1552: 2016
63	CHEMICAL- SOLID FUELS	Coal	Sampling	IS 436 Part-1 :RA 2013: 1964
64	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number/Free Swelling Index	ISO 501: RA 2018: 2012
65	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number/Free swelling Index	ASTM D 720: 2015
66	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number/Free Swelling Index	IS 1353: 1993



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67	CHEMICAL- SOLID FUELS	Coal	Sampling	ASTM D 6883: 2017
68	CHEMICAL- SOLID FUELS	Coal	Sampling	ASTMD 2234: 2017
69	CHEMICAL- SOLID FUELS	Coal	Sampling	ASTM D 4596: 2009
70	CHEMICAL- SOLID FUELS	Coal & Coke	Ash	IS 1350 Part I: RA 2013: 1984
71	CHEMICAL- SOLID FUELS	Coal & Coke	Ash	ASTM D 3174 RA 2018: 2012
72	CHEMICAL- SOLID FUELS	Coal & Coke	Ash	ISO 1171: RA 2016: 2010
73	CHEMICAL- SOLID FUELS	coal & coke	Ash fusion temperature in oxidising atmosphere: Sphere temperature.(ST)	ISO 540:RA 2018: 2008
74	CHEMICAL- SOLID FUELS	coal & Coke	Ash fusion temperature in oxidising atmosphere. Hemisphere temperature (HT)	IS 12891:RA 2016: 1990
75	CHEMICAL- SOLID FUELS	coal & Coke	Ash fusion temperature in oxidising atmosphere. Sphere temperature (ST)	IS 12891:RA 2016: 1990
76	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere.Hemisphere temperature.(HT)	ASTM D 1857: 2018
77	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Deformation temperature (DT)	IS 12891: RA 2016: 1990



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78	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Deformation temperature.(DT)	ISO 540:RA 2018: 2008
79	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Flow temperature (FT)	IS 12891: RA 2016: 1990
80	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Flow temperature (FT)	ISO 540:RA 2018: 2008
81	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Flow temperature (FT)	ASTM D 1857: 2018
82	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere: Hemisphere temperature.(HT)	ISO 540:RA 2018: 2008
83	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in oxidising atmosphere:Deformation temperature.(DT).	ASTM D 1857: 2018
84	CHEMICAL- SOLID FUELS	Coal & coke	Ash fusion temperature in oxidising atmosphere:Sphere temperature.(ST).	ASTM D 1857: 2018
85	CHEMICAL- SOLID FUELS	coal & coke	Ash fusion temperature in reducing atmosphere. Flow temperature(FT)	ISO 540:RA 2018: 2008
86	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere: .Hemisphere temperature.(HT)	IS 12891:RA 2016: 1990
87	CHEMICAL- SOLID FUELS	coal & Coke	Ash fusion temperature in reducing atmosphere: Deformation temperature (DT)	IS 12891:RA 2016: 1990
88	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere: Deformation temperature.(DT)	ASTM D 1857: 2018



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89	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere: Deformation temperature.(DT)	ISO 540:RA 2018: 2008
90	CHEMICAL- SOLID FUELS	Coal & Coke	Ash Fusion Temperature in reducing atmosphere: Flow temperature (FT)	IS 12891:RA 2016: 1990
91	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere: Flow temperature(FT)	ASTM D 1857: 2018
92	CHEMICAL- SOLID FUELS	coal & Coke	Ash fusion temperature in reducing atmosphere: Hemisphere temperature.(HT)	ISO 540:RA 2018: 2008
93	CHEMICAL- SOLID FUELS	Coal & coke	Ash fusion temperature in reducing atmosphere: Sphere temperature(ST)	ISO 540:RA 2018: 2008
94	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere: Sphere temperature.(ST)	ASTM D 1857: 2018
95	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere: Sphere temperature.(ST).	IS 12891:RA 2016: 1990
96	CHEMICAL- SOLID FUELS	Coal & Coke	Ash fusion temperature in reducing atmosphere:. Hemisphere temperature.(HT)	ASTM D 1857: 2018
97	CHEMICAL- SOLID FUELS	Coal & coke	Carbon (Ultimate)	ASTM D 5373: 2016
98	CHEMICAL- SOLID FUELS	Coal & Coke	Carbon(Ultimate)	ISO 29541:RA 2016: 2010
99	CHEMICAL- SOLID FUELS	Coal & Coke	Equilibrated Moisture	IS 1350 Part 1: RA 2013: 1984



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100	CHEMICAL- SOLID FUELS	Coal & Coke	Fixed Carbon (Air dried/As determine/Dried basis)	ISO 17246:RA 2016: 2010
101	CHEMICAL- SOLID FUELS	Coal & Coke	Fixed Carbon(air dried/as determine/Dried basis)	IS 1350 Part 1: RA 2013: 1984
102	CHEMICAL- SOLID FUELS	Coal & Coke	Fixed Carbon(Air Dried/As determine/Dried basis)	ASTM D 3172: 2013
103	CHEMICAL- SOLID FUELS	Coal & Coke	Gross Calorific Value as GCV	ASTM D 5865: 2013
104	CHEMICAL- SOLID FUELS	Coal & Coke	Gross Calorific Value as GCV	IS 1350 Part 2: 2017
105	CHEMICAL- SOLID FUELS	Coal & Coke	Gross calorific Value as GCV	ISO 1928:RA 2016: 2009
106	CHEMICAL- SOLID FUELS	Coal & Coke	Hard Groove Grind ability Index	IS 4433: RA 2015: 1979
107	CHEMICAL- SOLID FUELS	Coal & Coke	Hard Grind ability Index	ISO 5074: 2015
108	CHEMICAL- SOLID FUELS	Coal & coke	Hard Grind ability Index	ASTM D 409: 2016
109	CHEMICAL- SOLID FUELS	Coal & Coke	Hydrogen (Ultimate)	ISO 29541:RA 2016: 2010
110	CHEMICAL- SOLID FUELS	Coal & Coke	Hydrogen (Ultimate)	ASTM D 5373: 2016
111	CHEMICAL- SOLID FUELS	Coal & Coke	Moisture (air dried/As determine/Dried Basis)	IS 1350 Part 1:RA 2013: 1984
112	CHEMICAL- SOLID FUELS	Coal & Coke	Moisture (Air dried/As determine/Dry Basis)	ISO 11722:RA 2018: 2013



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113	CHEMICAL- SOLID FUELS	Coal & Coke	Moisture(Air dried/As determine/Dried basis)	ASTM D 3173: 2017
114	CHEMICAL- SOLID FUELS	Coal & Coke	Net Calorific Value as NCV	ISO 1928:RA 2016: 2009
115	CHEMICAL- SOLID FUELS	Coal & Coke	Net Calorific Value as NCV	ASTM D 5865: 2013
116	CHEMICAL- SOLID FUELS	Coal & Coke	Net Calorific Value as NCV	IS 1350 Part 2: 2017
117	CHEMICAL- SOLID FUELS	Coal & Coke	Nitrogen (Ultimate)	ISO 29541:RA 2016: 2010
118	CHEMICAL- SOLID FUELS	Coal & Coke	Nitrogen(Ultimate)	ASTM D 5373: 2016
119	CHEMICAL- SOLID FUELS	Coal & Coke	Oxygen (Ultimate)	ASTM D 3176: 2015
120	CHEMICAL- SOLID FUELS	Coal & Coke	Oxygen (Ultimate)	ISO 29541:RA 2016: 2010
121	CHEMICAL- SOLID FUELS	Coal & Coke	Phosphorus	IS 1355 : RA 2013: 1984
122	CHEMICAL- SOLID FUELS	Coal & Coke	Phosphorus	ISO 622: 2016
123	CHEMICAL- SOLID FUELS	Coal & Coke	Total moisture	ISO 589:RA 2018 : 2008
124	CHEMICAL- SOLID FUELS	Coal & Coke	Total Moisture	ASTM D2961: 2019
125	CHEMICAL- SOLID FUELS	Coal & Coke	Total Moisture	IS 1350 Part 1:RA 2013 : 1984



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126	CHEMICAL- SOLID FUELS	Coal & Coke	Total Moisture	ASTM D 3302: 2017
127	CHEMICAL- SOLID FUELS	Coal & Coke	Total sulphur	ASTM D 4239: 2018
128	CHEMICAL- SOLID FUELS	Coal & coke	Total Sulphur	IS 1350 Part III: 2015
129	CHEMICAL- SOLID FUELS	Coal & Coke	Total Sulphur	ISO 334:RA 2019: 2013
130	CHEMICAL- SOLID FUELS	Coal & coke	Total Sulphur	ISO 19579:RA 2018: 2006
131	CHEMICAL- SOLID FUELS	Coal & Coke	Volatile matter	ISO 562:RA 2016: 2010
132	CHEMICAL- SOLID FUELS	Coal & Coke	Volatile matter	IS 1350 Part 1:RA 2013: 1984
133	CHEMICAL- SOLID FUELS	Coal & Coke	Volatile matter	ASTM D 3175: 2018
134	CHEMICAL- SOLID FUELS	Coal and Coke	Sampling	IS 436 Part 1:RA 2013: 1964
135	CHEMICAL- SOLID FUELS	Coke	Sampling	ASTM D 346 : 2011
136	CHEMICAL- SOLID FUELS	Coke	Total moisture	ISO 579:RA 2018: 2013
137	CHEMICAL- SOLID FUELS	Graphite	Ash	IS 1305:RA 2017: 1984
138	CHEMICAL- SOLID FUELS	Graphite	Moisture	IS 1305:RA 2017: 1984



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139	CHEMICAL- SOLID FUELS	Graphite	Non graphite carbon	IS 1305: RA 2017: 1984
140	CHEMICAL- SOLID FUELS	Graphite	Volatile matter	IS 1305:RA 2017: 1984
141	CHEMICAL- SOLID FUELS	Pet Coke	Total moisture	ASTM D 4931-2006: 2017