National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : FAIR LEAD MARINE SERVICES, 1ST & 2ND FLOOR, PLOT NO.317, SECTOR-1A, GANDHIDHAM, KACHCHH, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 11/12/2021 to 10/12/2023 **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	CHEMICAL- ANIMAL FOOD & FEEDS	CASTOR MEAL	ASH INSOLUBLE IN HYDROCHLORIDE ACID	ISO 5985
2	CHEMICAL- ANIMAL FOOD & FEEDS	CASTOR MEAL	CRUDE ASH	ISO 5984
3	CHEMICAL- ANIMAL FOOD & FEEDS	CASTOR MEAL	CRUDE FIBRE	ISO 6865
4	CHEMICAL- ANIMAL FOOD & FEEDS	CASTOR MEAL	MOISTURE	ISO 6496
5	CHEMICAL- ANIMAL FOOD & FEEDS	CASTOR MEAL	OIL/FAT	IS/ISO 6492
6	CHEMICAL- ANIMAL FOOD & FEEDS	CASTOR MEAL	PROTEIN	ISO 5983-1
7	CHEMICAL- ANIMAL FOOD & FEEDS	cotton seed meal	OIL/FAT	IS/ISO 6492
8	CHEMICAL- ANIMAL FOOD & FEEDS	COTTON SEED MEAL	CRUDE ASH	ISO 5984
9	CHEMICAL- ANIMAL FOOD & FEEDS	COTTON SEED MEAL	CRUDE FIBRE	IS/ISO 6865
10	CHEMICAL- ANIMAL FOOD & FEEDS	COTTON SEED MEAL	MOISTURE	ISO 6496
11	CHEMICAL- ANIMAL FOOD & FEEDS	COTTON SEED MEAL	PROTEIN	ISO 5983-1
12	CHEMICAL- ANIMAL FOOD & FEEDS	GROUNDNUT MEAL	ASH IN HYDROCHLORIDE ACID	ISO 5985
13	CHEMICAL- ANIMAL FOOD & FEEDS	GROUNDNUT MEAL	CRUDE ASH	ISO 5984
14	CHEMICAL- ANIMAL FOOD & FEEDS	GROUNDNUT MEAL	CRUDE FIBRE	IS/ISO 6865
15	CHEMICAL- ANIMAL FOOD & FEEDS	GROUNDNUT MEAL	MOISTURE	ISO 6496
16	CHEMICAL- ANIMAL FOOD & FEEDS	GROUNDNUT MEAL	OIL/FAT	IS/IAO 6492
17	CHEMICAL- ANIMAL FOOD & FEEDS	GROUNDNUT MEAL	PROTEIN	ISO 5983-1
18	CHEMICAL- ANIMAL FOOD & FEEDS	GUAR MEAL	ASH IN HYDROCHLORIDE ACID	ISO 5985

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19	CHEMICAL- ANIMAL FOOD & FEEDS	GUAR MEAL	CRUDE ASH	ISO 5984
20	CHEMICAL- ANIMAL FOOD & FEEDS	GUAR MEAL	CRUDE FIBRE	IS/ISO 6865
21	CHEMICAL- ANIMAL FOOD & FEEDS	GUAR MEAL	MOISTURE	ISO 6496
22	CHEMICAL- ANIMAL FOOD & FEEDS	GUAR MEAL	OIL/FAT	IS/ISO 6492
23	CHEMICAL- ANIMAL FOOD & FEEDS	GUAR MEAL	PROTEIN	ISO 5983-1
24	CHEMICAL- ANIMAL FOOD & FEEDS	RAPESEED MEAL	ASH INSOLUBLE IN HYDROCHLORIDE ACID	ISO 5985
25	CHEMICAL- ANIMAL FOOD & FEEDS	RAPESEED MEAL	CRUDE ASH	ISO 5984
26	CHEMICAL- ANIMAL FOOD & FEEDS	RAPESEED MEAL	CRUDE FIBRE	IS/ISO 6865
27	CHEMICAL- ANIMAL FOOD & FEEDS	RAPESEED MEAL	MOISTURE	ISO 6496
28	CHEMICAL- ANIMAL FOOD & FEEDS	RAPESEED MEAL	OIL/FAT	IS/ISO 6492
29	CHEMICAL- ANIMAL FOOD & FEEDS	RAPESEED MEAL	PROTEIN	ISO 5983-1
30	CHEMICAL- ANIMAL FOOD & FEEDS	SOYA BEAN MEAL	UREASE ACTIVITY	ISO 5506
31	CHEMICAL- ANIMAL FOOD & FEEDS	SOYABEAN MEAL	CRUDE ASH	ISO 5984
32	CHEMICAL- ANIMAL FOOD & FEEDS	SOYABEAN MEAL	CRUDE FIBRE	IS/ISO 6865
33	CHEMICAL- ANIMAL FOOD & FEEDS	SOYABEAN MEAL	OIL/FAT	IS/ISO 6492
34	CHEMICAL- ANIMAL FOOD & FEEDS	SOYABEAN MEAL	SAND/SILICA(ASH IN HYDROCHLORIDE ACID)	ISO 5985
35	CHEMICAL- ANIMAL FOOD & FEEDS	SOYBEAN MEAL	MOISTURE	ISO 6496
36	CHEMICAL- ANIMAL FOOD & FEEDS	SOYBEAN MEAL	PROTEIN	ISO 5983-1

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37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude palm oil, Refined bleached and deodorized, Palm fatty acid distilled, Coconut oil, palm oil	SLIP MELTING POINT	ISO 6321
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined bleached and deodorized,	CLOUD POINT	BS-684-1.5
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	ARGEMONE OIL	IS 548 PART-2
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	ASH	ISO 6884
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	Conventional mass per volume at 20 °C	ISO 6883
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	FLASH POINT	ISO 15267
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	FREE FATTY ACID	ISO 660
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	INSOLUBLE IMPURITIES	ISO 663
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	MINERAL OIL	IS 548 PART-II
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	MOISTURE & VOLATILE MATTER	ISO 662
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	PEROXIDE VALUE	ISO 3960

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48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	Refractive Index	ISO 6320
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	SALINITY	ISO 15301
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	SAPONIFICATION VALUE	ISO 3657
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	SEDIMENT	ISO 15301
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distilled, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil	TOTAL Fatty Acid	BS 684-2.4
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distilled, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil	UNSAPONIFIABLE MATTER	ISO 3596
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude palm oil,	BETA CAROTENE	ISO 17932
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Crude palm oil,	Deterioration of Bleachability Index (DOBI)	ISO 17932
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, cowpeas, gram, beans, besan	BROKEN	ISO 605
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, cowpeas, gram, beans, besan	DAMAGE OR DISCOLOR	ISO 605
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, cowpeas, gram, beans, besan	EXTRANEOUS MATTER	ISO 605
59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, cowpeas, gram, beans, besan	GREEN GRAIN	ISO 605

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60	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, cowpeas, gram, beans, besan	INSECT DAMAGE	ISO 605
61	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, cowpeas, gram, beans, besan	MOISTURE	ISO 24557
62	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, cowpeas, gram, beans, besan	SMOOTH GRAIN	ISO 605
63	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, cowpeas, gram, beans, besan	STAINED	ISO 605
64	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Lentils, chickpeas, cowpeas, gram, beans, besan	TOTAL DEFECT	ISO 605
65	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RAW SUGAR	ASH (SULPHATED)	ICUMSA GS1-10
66	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw Sugar	POLARIZATION	ICUMSA GS1/2/3/9-1-1
67	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RAW SUGAR	REDUCING SUGAR	ICUMSA GS1-5
68	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RAW SUGAR	STARCH	ICUMSA GS1-16
69	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RAW SUGAR	SULPHITE	ICUMSA GS2/1/7/9-33
70	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RICE	AVERAGE LENGTH	ISO 7301
71	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rice	BLACK GRAIN/BLACK PECK	ISO 7301
72	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RICE	BROKEN	ISO 7301
73	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RICE	CHALKY	ISO 7301

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74	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RICE	DAMAGE /DISCOLOR GRAIN	ISO 7301
75	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RICE	EXTRANEOUS MATTER	ISO 7301
76	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RICE	INSECT DAMAGE	ISO 7301
77	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RICE	RED STREAK/RED GRAIN	ISO 7301
78	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RICE	WHOLE GRAIN	ISO 7301
79	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RICE	YELLOW GRAIN	ISO 7301
80	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RICE, WHEAT, WHEAT FLOUR, BARLEY, OATS.	MOISTURE	ISO 712
81	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	rude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	COLOR (RED)	ISO 15305
82	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	rude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distille d, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oil ,Mustard oil, groundnut oil ,cottonseed oil,	COLOR (YELLOW)	ISO 15305
83	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rye, sorghum, Barley, Oats, Corn, Maize, Jawar, Bajra, Millet	MOISTURE	ISO 6540
84	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	ACID VALUE	AOCS Cd 3d-63
85	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	ALKALINITY	ISO 10539
86	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	BLEACHABILITY	BS 684-2.27

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87	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	CHLOROPHYLL	ISO 10519
88	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetable Oils	ULTRAVIOLET ABSORBANCE EXPRESSES AS SPECIFIC UV EXTINCTION	ISO 3656
89	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	VEGETCrude degum soya bean oil, Crude palm oil, Refined bleached and deodorized, Palm fatty acid distilled, Crude degum Rapeseed oil, Palm kernel oil, Crude sunflower oil, Coconut oilABLE OIL	IODINE VALUE	ISO 3961
90	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Daliya, Wheat Powder	BROKEN	ISO 7920
91	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Daliya, Wheat Powder	DAMAGE/DISCOLOR GRAIN	ISO 7920
92	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Daliya, Wheat Powder	EXTRANEOUS MATTER	ISO 7920
93	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Daliya, Wheat Powder	HEAT DAMAGE	ISO 7920
94	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Daliya, Wheat Powder	IMMATURE GRAIN	ISO 7920
95	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Daliya, Wheat Powder	TEST WEIGHT	ISO 7920
96	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat, Daliya, Wheat Powder	WET GLUTEN	ISO 21415-1
97	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	WHEAT, WHEAT FLOUR	SHRIVELED GRAIN	ISO 7920
98	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	WHEAT, WHEAT FLOUR,	INSECT DAMAGE	ISO 7920
99	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	WHEAT, WHEAT POWDER, MAIZE ,OATS,BARLEY	PROTEIN	ISO 20483

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100	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	WHITE SUGAR	COLOR 10	ICUMSA GS2/3-10
101	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	WHITE SUGAR	COLOR 9	ICUMSA GS2/3-9
102	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	WHITE SUGAR	CONDUCTIVITY ASH	ICUMSA GS2/3/9-17
103	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Sugar	INSOLUBLE MATTER	ICUMSA GS2/3/9-19
104	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	WHITE SUGAR	MEAN APERTURE	ICUMSA GS2/9-37
105	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	White Sugar	POLARIZATION	ICUMSA GS2/3-1
106	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	WHITE SUGAR	REDUCING SUGAR	ICUMSA GS2/3/9-5
107	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	WHITE SUGAR & RAW SUGAR	COLOR 8	ICUMSA GS9/1/2/3-8
108	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	WHITE SUGAR & RAW SUGAR	MOISTURE	ICUMSA GS2/1/3/9-15
109	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	WHITE SUGAR & RAW SUGAR	pH	ICUMSA GS1/2/3/4/7/8/9-23
110	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	SALT	CALCIUM (as Ca) % by mass	IS 797
111	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	SALT	IODINE VALUE	IS 7224
112	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	SALT	MAGNESIUM (as Mg) % by mass	IS 797
113	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	SALT	MATTER INSOLUBLE IN WATER % BY MASS	IS 797
114	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	SALT	MOISTURE CONTENT % BY MASS	IS 797

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115	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	SALT	SODIUM CHLORIDE	IS 797
116	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	SALT	SULPHATE (SO4)	IS 797
117	CHEMICAL- SOLID FUELS	COAL	ASH	IS 1350 PART-1
118	CHEMICAL- SOLID FUELS	COAL	MOISTURE	IS 1350 PART-1
119	CHEMICAL- SOLID FUELS	COAL	TOTAL MOISTURE	IS 1350 PART-1
120	CHEMICAL- SOLID FUELS	COAL	VOLATILE MATTER	IS 1350
121	CHEMICAL- SOLID FUELS	Coke	ASH	IS 1350 PART-1
122	CHEMICAL- SOLID FUELS	Coke	MOISTURE	IS 1350 PART-1
123	CHEMICAL- SOLID FUELS	Coke	TOTAL MOISTURE	IS 1350 PART-1
124	CHEMICAL- SOLID FUELS	Coke	VOLATILE MATTER	IS 1350