National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY - JK TYRE AND INDUSTRIES LIMITED, VIKRANT TYRE PLANT-P1, MYSORE, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5569 **Page No** 1 of 3

Validity 11/05/2022 to 10/05/2024 **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	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Fillers - Carbon Black ASTM grades (N Series)	DBP Absorption	ASTM D 2414
2	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Fillers - Carbon Black ASTM grades (N Series)	Heat Loss	ASTM D 1509
3	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Fillers - Silica Precipitated	Ignition Loss	ASTM D 1208-96
4	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Fillers - Silica Precipitated	pH	ASTM D 6739-11
5	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Rubber Chemicals - Activators / Accelerators / Curatives / Antioxidants / Anti ozonant / Resins	Heat Loss	ASTM D 1509
6	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Rubber Chemicals - Activators / Accelerators / Curatives / Antioxidants / Anti ozonant / Resins	Melting Point	ASTM D 1519-95
7	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Rubber Chemicals - Activators / Accelerators / Curatives / Antioxidants / Anti ozonant / Resins	Softening Point	ASTM E28
8	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Rubber Chemicals - Activators / Accelerators / Curatives / Antioxidants / Anti ozonant / Resins	Solubility	ASTM D 1766 -05, ASTM D 4934-02
9	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Rubber Processing Oil - Aromatic / Naphthenic / Paraffinic	Specific Gravity	ASTM D 1298
10	CHEMICAL- RUBBER & RUBBER PRODUCTS	Natural rubber	Dirt Content	ASTM D 1278 -91a
11	CHEMICAL- RUBBER & RUBBER PRODUCTS	Natural Rubber	Mooney Viscosity	ASTM D 1646
12	CHEMICAL- RUBBER & RUBBER PRODUCTS	Natural rubber	Plasticity retention Index	ASTM D 3194
13	CHEMICAL- RUBBER & RUBBER PRODUCTS	Natural rubber	Volatile Matter	ASTM D 1278-91a
14	CHEMICAL- RUBBER & RUBBER PRODUCTS	Synthetic rubber	Ash Content	ASTM D 5667-95
15	CHEMICAL- RUBBER & RUBBER PRODUCTS	Synthetic rubber	Mooney Viscosity	ASTM D 1646
16	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Filled Elostomeric Compound, Green Compound	Curing Characteristics Tc90	ASTM D 5289
17	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Filled Elostomeric Compound, Green Compound	Curing Characteristics Ts2	ASTM D 5289
18	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Filled Elostomeric Compound, Green Compound	Mooney Scorch	ASTM D 1646

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Certificate Number TC-5569 **Page No** 2 of 3

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19	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Filled Elostomeric Compound, Green Compound	Mooney viscosity	ASTM D 1646
20	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Filled Elostomeric Compound, Green Compound	Specific Gravity	ASTM D 297
21	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Pneumatic tyres	Endurance Pulley Wheel - Load Performance	IS 15636 Clause 4.2 Annexure B
22	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Pneumatic Tyres	Outer Diameter	IS 15636; Cl 4.1. Annex A, E/ECE/324, GE/TRANS/505, Annex 6, GSO 646, CL3, INMETRO, PNS, SNI, DOT
23	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Pneumatic Tyres	Sectional Width	IS 15636; Cl 4.1. Annex A, E/ECE/324, GE/TRANS/505, Annex 6, GSO 646, CL3, INMETRO, PNS, SNI, DOT: 2012
24	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Pneumatic Tyres	Tyre Strength (Plunger test)	IS 15636; Clause 4.5, Annexure D
25	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber cured Elastomeric, Compound Cured Compounds, Tread (CAP/BASE)/Sidewall / Inner Ply / Outer Ply / Bead / Apex Compounds	Elongation @ Break	ASTM D 412
26	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber cured Elastomeric, Compound Cured Compounds, Tread (CAP/BASE)/Sidewall / Inner Ply / Outer Ply / Bead / Apex Compounds	Hardness	ASTM D 2240 - 15
27	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber cured Elastomeric, Compound Cured Compounds, Tread (CAP/BASE)/Sidewall / Inner Ply / Outer Ply / Bead / Apex Compounds	Modulus @ 100%	ASTM D 412
28	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber cured Elastomeric, Compound Cured Compounds, Tread (CAP/BASE)/Sidewall / Inner Ply / Outer Ply / Bead / Apex Compounds	Modulus @ 200%	ASTM D 412
29	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber cured Elastomeric, Compound Cured Compounds, Tread (CAP/BASE)/Sidewall / Inner Ply / Outer Ply / Bead / Apex Compounds	Modulus @ 300%	ASTM D 412
30	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber cured Elastomeric, Compound Cured Compounds, Tread (CAP/BASE)/Sidewall / Inner Ply / Outer Ply / Bead / Apex Compounds	Tensile Strength	ASTM D 412
31	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber cured Elastomeric, Compound Cured Compounds, Tread (CAP/BASE)/Sidewall / Inner Ply / Outer Ply / Bead / Apex Compounds	Thickness	ASTM D 3767-03
32	MECHANICAL- TEXTILE MATERIALS	Inorganic Cord & Bead Wire	Bead Wire Adhesion	ASTM D 1871
33	MECHANICAL- TEXTILE MATERIALS	Inorganic Cord & Bead Wire	Gauge	ASTM D 4975

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34	MECHANICAL- TEXTILE MATERIALS	Reinforcing Material (Organic cord)	Breaking Strength	ASTM D 885
35	MECHANICAL- TEXTILE MATERIALS	Reinforcing Material (Organic cord)	Elongation @ Break	ASTM D 885
36	MECHANICAL- TEXTILE MATERIALS	Reinforcing Material (Organic Cord)	Part Load Elongation	ASTM D 885