



**BUREAU OF INDIAN STANDARDS
(EROL)
भारतीय मानक ब्यूरो
(पु.क्षे.प्र.)**



हमारा सन्दर्भ : EROL/SC/50

दिनांक: 23.12.2021

पु. क्षे. प्र. ने नीचे दिए गए विवरण के अनुसार परीक्षण सुविधा बनाई है:

EROL has created test facility as per details given below:

IS 9873 (Part-1): 2020		
Product	:	Safety of toys
Test (s) with Clause No. for which facility has been created	:	4.1 Normal use, 4.2 Reasonably foreseeable abuse, 4.3 Material, 4.4 Small parts, 4.5 Shape, size and strength of certain toys, 4.6 Edges, 4.7 Points 4.8 Projections, 4.9 Metal wires and rods, 4.10 Plastic film or plastic bags in packaging and in toys, 4.11 Cords, 4.12 Folding mechanisms, 4.13 Holes, clearances and accessibility of mechanisms, 4.14 Springs 4.16 Enclosures 4.17 Simulated protective equipment, such as helmets, hats and goggles, 4.18 Projectile toys, , 4.19 Rotors and propellers, 4.20 Aquatic toys, 4.24 Toys containing a heat source, 4.25 Liquid-filled toys, 4.26 Mouth-actuated toys, 4.27 Toy roller skates, toy inline skates and toy skateboards, 4.28 Percussion caps specifically designed for use in toys, 4.31 Magnets and magnetic components, 4.32 Yo-yo balls, 4.33 Straps intended to be worn fully or partially around the neck, 4.34 Sledges and toboggans with cords for pulling, 4.35 Jaw entrapment in handles and steering wheels
Type/Size/Grade/Variety for which test facility has been created	:	NA
Test Section	:	Mechanical
Major equipment procured for creation of test facility	:	1) Durability Test apparatus 2) Liquid leak test needle 3) Flexure test apparatus 4) Yo-Yo ball tester Fig 56 5) Kinetic Energy tester 6) Force Gauge 7) Low force micrometer 8) Cold water Bath 9) Durability tester for mouth actuated toy (C.5.20 of IS 9873(pt-1) 10) Head Probe fig.35 11) Hook Test fixture fig 36 12) Fixtures & gauges, templates, probes

Status of facility created	:	Partial
Test (s) with Clause No. for which facility yet to be created for complete testing	:	4.15 Stability and overload requirements,, 4.21 Braking, 4.22 Toy bicycles, 4.23 Speed limitations of electrically driven ride-on toys, 4.29 Acoustic requirements 4.30 Toy scooters.
Sample size	:	4
Testing capacity/month	:	30/Month
Remarks	:	-
IS 9873 (Part-2): 2020		
Product	:	Safety of Toys
Test (s) with Clause No. for which facility has been created	:	Complete
Type/Size/Grade/Variety for which test facility has been created	:	NA
Test Section	:	Mechanical
Major equipment procured for creation of test facility	:	Flammability Tester.
Status of facility created	:	Complete
Test (s) with Clause No. for which facility yet to be created for complete testing	:	NA
Sample size	:	4
Testing capacity/month	:	30/Month
Remarks	:	-
IS 9873 (Part-3): 2020		
Product	:	Safety of Toys
Test (s) with Clause No. for which facility has been created	:	Cl.4 Table 1 (Sb, As, Ba, Cd, Cr, Pb, & Se)
Type/Size/Grade/Variety for which test facility has been created	:	All grades as per Table-1.
Test Section	:	Chemical
Major equipment procured for creation of test facility	:	Atomic Absorption Spectrophotometer
Status of facility created	:	Partial
Test (s) with Clause No. for which facility yet to be created for complete testing	:	Cl.4 Table 1 (Hg)
Sample size	:	2 pc
Testing capacity/month	:	10
Remarks	:	Toy material as per Table 1 of IS 9873 (Part 3): 2020 to be declared.
IS 15644:2006		
Product	:	Safety of Electric Toys
Test (s) with Clause No. for which facility has been created	:	Partial [excluding (Heating & abnormal operation test (Cl 9.8.2), Construction (Cl 14.15), Components (Cl 16.1.1), Resistance to Heat and Fire (Cl 19.2.2) & Radiation, toxicity and similar hazards (Cl 20); wheeled ride-on toys and toys incorporating lasers and light-emitting diodes (Annex E)].

Type/Size/Grade/Variety for which test facility has been created	:	Electric toys excluding wheeled ride-on toys and toys incorporating lasers and light-emitting diodes (Annex E)].
Test Section	:	Electrical
Major equipment procured for creation of test facility	:	1) DC Control Panel 2) AC Control Panel 3) Glow wire Test Apparatus 4) Needle Flame Test Apparatus 5) Oscilloscope 6) Data Logger 7) DC Electronic Load
Status of facility created	:	Partial [excluding (Heating & abnormal operation test (CI 9.8.2), Construction (CI 14.15), Components (CI 16.1.1), Resistance to Heat and Fire (CI 19.2.2) & Radiation, toxicity and similar hazards (CI 20); wheeled ride-on toys and toys incorporating lasers and light-emitting diodes (Annex E)].
Test (s) with Clause No. for which facility yet to be created for complete testing	:	Heating & abnormal operation test (CI 9.8.2), Construction (CI 14.15), Components (CI 16.1.1), Resistance to Heat and Fire (CI 19.2.2) & Radiation, toxicity and similar hazards (CI 20)
Sample size	:	6 nos.
Testing capacity/month	:	20
Remarks	:	Category of toy (battery operated, transformer operated or dual operation) to be declared. Detailed circuit diagram to be provided for testing.

सभी क्षेत्रीय/ शाखा कार्यालय एवं प्रयोगशाला से अनुरोध है की उपरोक्त परीक्षण सुविधाओं के अनुसार नमूनों की परीक्षण के लिए पूर्वी क्षेत्रीय प्रयोगशाला में नमूने भेजे/ All Regional/Branch offices and Laboratories are requested to send the samples at EROL for testing according to the above Testing Facilities.

शांतनाब मजूमदर /Shantanaba Majumder
प्रभारी (गु. आ.)/ OIC (QA)

प्रमुख (पु.क्षे.प्र.)/ Head (EROL)