

Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS)



Restriction of Hazardous substances in electrical and electronic equipment was a directive released by the European Commission to tackle the problem of environmental pollution due to electronics. The restricted substances are hazardous to the environment and pollute the landfills and are dangerous in terms of occupational exposure during manufacturing and recycling.

RoHS impacts the entire electronics industry now. Any business that places electronic products, sub-assemblies or components onto the EU market must comply with these RoHS3 requirements, except medical devices.

In 2015, the EU Commission published Directive 2015/863 (known as RoHS3) to amend Annex II of RoHS 2. Coming into effect on 22 July 2019, this amendment added four phthalates to the list of restricted substances.

We at TUV India, offer you with RoHS3 compliance testing & CE marking service.

We have complete testing facility for all 10 substances mentioned under RoHS3 in our NABL accredited laboratories with complete scope coverage for same. TUV India uses best-in-class latest technologies using internationally approved methods to provide you with quick and reliable results.

Materials for which RoHS is applicable:

- Large household appliances
- Small household appliances
- IT and telecommunications equipment
- Consumer equipment
- Lighting equipment
- Electrical and electronic tools
- Toys, leisure and sports equipment
- Medical devices
- Monitoring and control instruments including industrial monitoring and control instruments
- Automatic dispensers
- Other EEE not covered by any of the categories above

The total number of restricted substances under EU RoHS is now ten & specifies maximum concentration levels for any homogeneous material as below:

Original 6 substances (2011/65/EU):

- Lead (Pb): 0.1%
- Mercury: 0.1%
- Cadmium (Cd): 0.01%
- Hexavalent chromium (Cr6+): 0.1%
- Polybrominated Biphenyls (PBB): 0.1 %
- Polybrominated Diphenyl Ethers (PBDE): 0.1 %

Additional 4 substances ((EU) 2015/863):

- Bis(2-Ethylhexyl) phthalate (DEHP): max 0.1%
- Benzyl butyl phthalate (BBP): max 0.1%
- Dibutyl phthalate (DBP): max 0.1%
- Diisobutyl phthalate (DIBP): max 0.1%



About Us:

TUV India Pvt. Ltd. (TÜV NORD GROUP) is a customer-focused, innovative, and independent, technical, quality & safety services organization, dedicated to providing future-proof solutions through technological excellence for the success of its customers with the highest level of integrity. With a presence at over 40 strategic locations in India; a branch office in Sri Lanka and Bangladesh; state-of-the-art laboratories at Pune, Bengaluru, Noida and Jamnagar; 100 important countries worldwide and through digital means, we are always connected to you, our esteemed customer, anywhere, anytime.

We are proud to provide increasing levels of services to the best known, largest global and national companies as well as medium and small industries in diverse sectors like Oil & Petro-chemical, Nuclear, Renewables, Infrastructure, Food, Power, Manufacturing, Chemicals, Pharma, Paper, Automobiles, Railways, Aerospace, Defence, IT, Health, Hospitality, Retail, etc.

TUV India Private Limited

Food and Packaging Testing Services

Pune Laboratory

TUV India House,
Survey No - 42, 3/1 & 3/2,
Sus, Pune - 411021
T 020-67900000/1

Bengaluru Laboratory

No.8, VK Commerce, 2nd Floor, III
Main Rd, Opp. KSSIDC Tech Park,
Rajajinagar Ind. Estate, Bengaluru -560044
T 080-40823046

Registered & Head Office

801, Raheja Plaza-I, LBS Marg, Ghatkopar (W), Mumbai - 400086
T +91 22 664 77000, T 1800 209 0902
E infoindia@tuv-nord.com
W www.tuv-nord.com/in

Over 1400 competent and experienced TUV India experts spread across India and over 14000 TÜV NORD experts all over the world, enthusiastically support our clients by providing value-added services in Industry Inspection, European / International Approvals, Management System & IT Certification, Sustainability, Energy Audit, Water Audit, Carbon Services, Building Infrastructure & PMC, Renewable Energy, Food & Packaging Testing, Food Certification & Inspection; Testing of restricted and banned chemicals in Automotive and Electrical & Electronics components and other regulated industries, Product Testing – Electricals, Electronics and Industrial Machinery; Product Certification; Petroleum, Chemicals & Gas Cargo Inspection; Petroleum, Chemicals & Gas Testing; Railway Technology; Engineering, Safety Studies, and knowledge enhancing training programs under TUV India Training Academy.

Advanced Chemical & Material Testing Laboratory

Noida Laboratory

72, Block A, Sector 64, Noida,
Uttar Pradesh - 201305
T +91 120-4634210

