

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 to problem of environmental pollution due to electronics. The restricted substances are hazardous to the environment and pollute 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, can offer you with RoHS3 compliance testing & CE marking services.

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:

1. Large household appliances.
2. Small household appliances.
3. IT and telecommunications equipment.
4. Consumer equipment.
5. Lighting equipment.
6. Electrical and electronic tools.
7. Toys, leisure and sports equipment.
8. Medical devices.
9. Monitoring and control instruments including industrial monitoring and control instruments.
10. Automatic dispensers.
11. Other EEE not covered by any of the categories above



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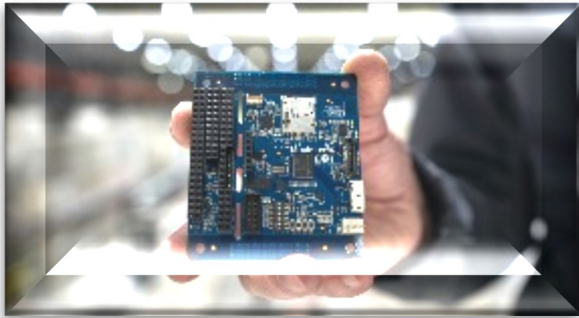
The total number of restricted Substances under EU RoHS is now ten & specifies maximum concentration levels for any homogeneous material as below:

Original 6 substances (2011/65/EU):

1. Lead (Pb) : 0.1%
2. Mercury: 0.1%
3. Cadmium (Cd): 0.01%
4. Hexavalent chromium (Cr6+): 0.1%
5. Polybrominated Biphenyls (PBB): 0.1 %
6. Polybrominated Diphenyl Ethers (PBDE): 0.1 %

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

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



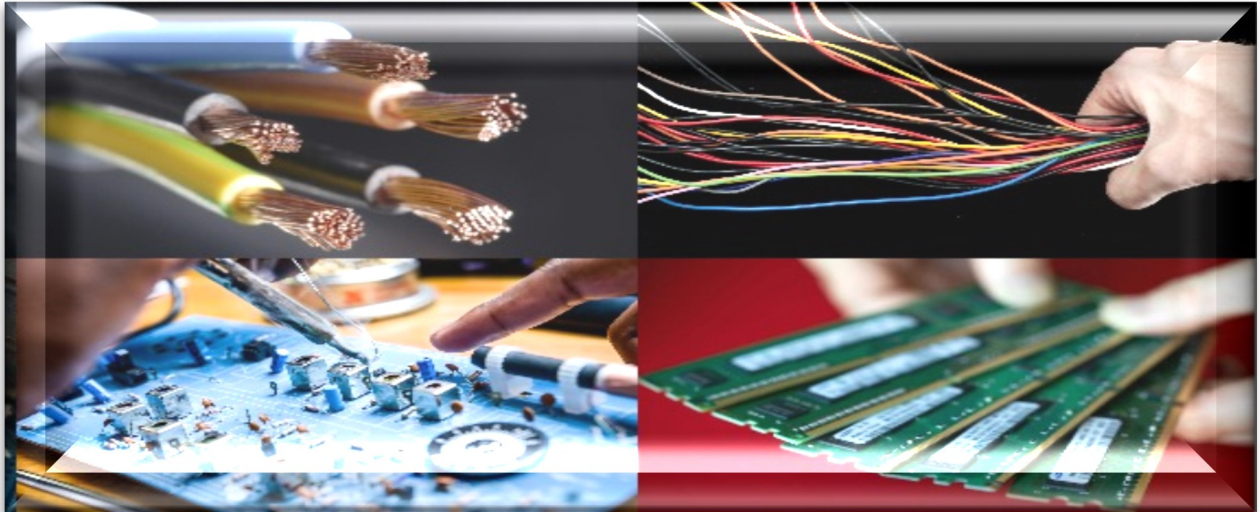
About Us:

With over 14,000 employees, TÜV NORD GROUP is one of the largest technical service providers, offering its advisory, service and inspection expertise in over 100 countries throughout the world.

Areas of activity include Industrial Services, Certification, Testing, Product Certification, Mobility, Training, and IT. TÜV NORD GROUP occupies a unique position in the sector based on its work in the fields of natural resources and aerospace and is firmly committed to its guiding principle and watchword: "Expertise for your Success".

TUV India Pvt. Ltd. was established in 1989 as part of the German RWTÜV group's Indian operations, now the TÜV NORD GROUP, as one of the first Certification Bodies to start operations in India; since then, it has been closely associated with the quality revolution in India. With over 1100 employees in more than 25 locations across India, TUV India is never far from its customers.

TUV India Pvt. Ltd. Provides diverse services in Management System Certification, Industrial Services, Infrastructure. Construction, Project Management, Food Testing and Certification, Training, Automotive Services, Product Testing & Certification, Sustainability Services and Renewable Energy.



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