**ETD43 : Standardization of Environmental Aspects for Electrical and Electronic Products**

**Scope :** To prepare the necessary guidelines, basic standards, in the environmental area, in close cooperation with product committees, which remain autonomous in dealing with the environmental aspects relevant to their products; To liaise with product committees in the elaboration of environmental requirements of product standards in order to foster common technical approaches and solutions for similar problems and thus assure consistency in standards.

**Liaison :** **IEC TC-111 (P)**

Standards Published

| SI. No. | IS No. | TITLE | Eqv. |
| --- | --- | --- | --- |
| 1. | [IS 16197 ( Part 1) : 2014](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjE4NTc%3D) | Determination of certain substances in electrotechnical products Part 1 introduction and overview |  |
| 2. | [IS 16197 ( Part 2) : 2014iec 62321-2:2013](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjE4NTg%3D) | Determination of certain substances in electrotechnical products Part 2 disassembly disjointment and mechanical sample preparation | IDT-D |
| 3. | [IS 16197 ( Part 3 / Sec 1) : 2014iec 62321-3-1:2013](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjE4NTk%3D) | Determination of certain substances in electrotechnical products Part 3 screening Sec 1 lead mercury cadmium total chromium and total bromine using x - Ray fluorescence spectrometry | IDT-D |
| 4. | [IS 16197 ( Part 3 / Sec 2) : 2014](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjE4NjA%3D) | Determination of certain substances in electrotechnical products Part 3 screening Sec 2 total bromine in polymers and electronics by combustion - Ion chromatography |  |
| 5. | [IS 16197 ( Part 4) : 2014iec 62321-4:2013](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjE4NjE%3D) | Determination of certain substances in electrotechnical products Part 4 mercury in polymers metals and electronics by cv - Aas cv - Afs icp - Oes and icp - Ms | IDT-D |
| 6. | [IS 16197 ( Part 5) : 2014iec 62321-5:2013](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjE4NjI%3D) | Determination of certain substances in electrotechnical products Part 5 cadmium lead and chromium in polymers and electronics and cadmium and lead in metals by aas afs icp - Oes and icp - Ms | IDT-D |
| 7. | [IS 16197 ( Part 6) : 2018IEC 62321-6 : 2015](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjMxMjU%3D) | Determination of Certain Substances in Electrotechnical Products Part 6 Polybrominated Biphenyls and Polybrominated Diphenyl Ethers in Polymers by Gas Chromatography Mass Spectrometry GC-MS | IDT-D |
| 8. | [IS 16197 ( Part 7 / Sec 1) : 2018IEC 62321-1 : 2015](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjMxMjQ%3D) | Determination of Certain Substances in Electrotechnical Products Part 7 Hexavalent Chromium Section 1 Presence of Hexavalent Chromium Cr VI in Colourless and Coloured Corrosion-Protected Coatings on Metals by the Colorimetric Method | IDT-D |
| 9. | [IS 16243 : 2017IEC/TR 62476 : 2010](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjI1OTk%3D) | Guidance for Evaluation of Products with Respect to Substance-use Restrictions in Electrical and Electronic Products | IDT-D |
| 10. | [IS 16244 : 2017IEC 62430 : 2009](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjI2Njc%3D) | Environmentally Conscious Design for Electrical and Electronic Products | IDT-D |
| 11. | [IS 16279 : 2018IEC/PAS 62545 : 2008](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjM0Njk%3D) | Environmental Information on Electrical and Electronic Equipment EIEEE | IDT-D |
| 12. | [IS 16584 : 2017IEC/TR 62635 : 2012](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjI1NDQ%3D) | Guidelies for End-of-Life Information Provided by Manufacturers and Recyclers and for Recyclable and for Recyclability Rate Calculation of Electrical and Electronic Equipment | IDT-D |
| 13. | [IS 16587 : 2016IEC/TR 62725 : 2013](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjI0NDA%3D) | Analysis of Quantification Methodologies for Greenhouse Gas Emissions for Electrical and Electronic Products and Systems | IDT-D |
| 14. | [IS 16588 : 2017IEC/TR 62726 : 2014](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjI0NDE%3D) | Guidance on Quantifying Greenhouse Gas Emission Reductions from the Baseline for Electrical and Electronic Products and Systems | IDT-D |
| 15. | [IS 16862 : 2018IEC PAS 63015 : 2016](https://www.services.bis.gov.in:8071/php/BIS/bisconnect/pow/is_details?IDS=MjM2ODM%3D) | Definition of Low-Halogen for Electronic Products | IDT-D |

Standards Under Develpoment

| SI. No. | Doc No | TITLE |
| --- | --- | --- |
| 1 | ETD 43 (11320) | Guidance on material efficiency considerations in environmentally Conscious design of electrical and electronic products |
| 2 | ETD 43 (11639) | DETERMINATION OF CERTAIN SUBSTANCES IN ELECTROTECHNICAL PRODUCTS Part 7-2 Hexavalent chromium Determination of hexavalent chromium CrVI in polymers and electronics by the colorimetric method |
| 3 | ETD 43 (11640) | DETERMINATION OF CERTAIN SUBSTANCES IN ELECTROTECHNICAL PRODUCTS Part 8 Phthalates in polymers by gas chromatography-mass spectrometry GC-MS gas chromatography-mass spectrometry using a pyrolyzerthermal desorption accessory PyTD-GC-MS |
| 4 | ETD 43 (06835) | MATERIAL DECLARATION FOR PRODUCTS OF AND FOR THE ELECTROTECHNICAL INDUSTRY |
| 5 | ETD 43 (11319) | Environmental standardization for electrical and electronic Products and systems Glossary of terms |