

China RoHS

The People's Republic of China published the current Decision Number 32 (Administrative Measures on the Restricted Use of Hazardous Substances in Electrical and Electronic Equipment) in January 2016 (hereinafter referred to as China RoHS).

The substances and concentration limits are the same 6 substances as in 2011/65/EU (without Delegated Directive (EU) 2015/863).

- Lead and its compounds 0.1 %
- Mercury and its compounds 0.1 %
- Cadmium and its compounds 0.01 %
- Hexavalent chromium compounds 0.1 %
- Polybrominated biphenyls (PBB) 0.1 %
- Polybrominated diphenyl ethers (PBDE) 0.1 %

The limits or restrictions of the substances are specified in GB/T 26572:2011 - Requirements of concentration limits for certain restricted substances in electrical and electronic products.

The Implementation Measures on Conformity Assessment System (Announcement No. 23 of 2019) must only be used for certain 12 products (Announcement No. 15 of 2018), so-called first batch:

- Refrigerators (up to 800 l)
- Air conditioning systems (<= 14,000 W)
- Washing machines (<= 10 kg dry clothes)
- electric water heaters
- Printer (<= A3, <=60 pages/minute)
- Copier (<= A3, <=60 pages/minute)
- Fax machines
- Television
- Monitors
- Microcomputer
- Mobile communication devices
- Telephones

Only these 12 products must comply with the substance restrictions and follow the Implementation Measures (Announcement No. 23 of 2019). There are certain exempted uses from substance restrictions (similar to EU RoHS, Annex III).

Manufacturers can basically choose between two methods of conformity assessment:

- Self-Declaration of Conformity (Annex 2)



- Voluntary Certification (Annex 1)



All other electric and electronic equipment (EEE) (= open scope) that are not part of the first batch, may contain the 6 restricted substances above the limits.

Nevertheless, these EEE have to be labeled as followed:

- EEE that do not contain restricted substances above the limits shall be marked with a green or black e according to SJ/T 11364-2014:



- EEE that do not comply with the limits will be marked with an orange or black "Environmental Friendly Use Period (EFUP)" according to SJ/T 11364-2014 and SJ/Z 11388 and a tabular list of the substances contained shall be attached.



图 2 标志 11

Name and content of hazardous substances in products

Component name	Hazardous substance				
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr (VI))	Polybrominated diphenyl ethers (PBDE)
.....

This table was developed according to the provisions of SJ/T 11364.
 O: The content of such hazardous substance in all homogeneous materials of such component is below the limit required by GB/T 26572
 X: the content of such hazardous substance in a certain homogeneous material of such component is beyond the limit required by GB/T 26572
 (Enterprises may further explain the technical reasons for ticking "X" in the table above according to their actual situation herein.)