

Attached Table of Control Standard for Handling Chemical Substances in Products, Parts and Materials

Table 1. Typical analytic processes

No.	Applicable substances to be measured	Analysis process
1	Mercury and mercury compounds	Acid decomposition/method for producing the atomic vapor by reduction
2	Cadmium and cadmium compounds, lead and lead compounds, chromium compounds	Acid decomposition/optical emission spectrometry with inductively coupled plasma (ICP-AES)
3	Hexavalent chromium compounds	Extraction in inert gases/diphenyl carbazides absorptiometry
4	Quantification of chlorine and bromine	Combustion-ion chromatography
5	Detection of the total bromine content of PBB and PBDE, quantification of organic tin compounds, quality determination of polychlorinated naphthalene	Gas chromatography/mass spectrometry (GC/MS)
6	PCBs	GC/ECD process
7	Chlorinated paraffins	Column chromatography/GPC process
8	Quantification of total halogen (chlorine and bromine)	TOX meter
9	Quality analysis of polyvinyl chloride	THF dissolution/IR spectroscopy
10	Asbestos	X-ray diffraction or microscopy
11	Azo compounds	Buffer extraction/HPLC process
12	Detection of the total bromine other than PBB and PBDE	GC/AED process
13	Aromatic amines, fluoroacetic acids	Solvent extraction-derivatization/GC/MS process
14	Simple analysis of elements heavier than sodium	Fluorescent X-ray analysis
15	Metal elements	Atomic absorption spectrometry
16	Process for testing the eluted toxicity of hazardous substances as per the Resource Conservation and Recovery Act (RCRA) of the US Environmental Protection Agency	PCLP process (Toxicity Characteristic Leaching Procedure)