

# QA Technology Company, Inc. and RoHS:

The Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, or the RoHS Directive, is scheduled for implementation on 1 July 2006. With that implementation, given the substances identified in the Directive, some of the restrictions will be applicable to the materials used in QA Technology's products and others will not. The threshold levels for each of these substances are clearly defined in the Articles/Annex of the Directive and it's amendments (i.e. Commission Decisions). In Article 4, Section 1 of the Directive, electrical and electronic equipment sold beyond the 1 July 2006 deadline, must fall below defined levels for Lead, Mercury, Cadmium, Hexavalent Chromium, Polybrominated Biphenyls (PBB), and Polybrominated Diphenyl Ethers (PBDE). The threshold levels for "non-Exempted" Applications can be found in the amended Directive per the Commission Decision of 18 August 2005, Article 1. The threshold levels for any "Exempted" Applications can be found in the Annex of the Directive as amended through the Commission Decision of 21 October 2005.

**RoHS Directive 2002/95/EC:** [http://europa.eu.int/eur-lex/pri/en/oj/dat/2003/l\\_037/l\\_03720030213en00190023.pdf](http://europa.eu.int/eur-lex/pri/en/oj/dat/2003/l_037/l_03720030213en00190023.pdf)

**Commission Decision of 18 August 2005:** [http://europa.eu.int/eur-lex/lex/LexUriServ/site/en/oj/2005/l\\_214/l\\_21420050819en00650065.pdf](http://europa.eu.int/eur-lex/lex/LexUriServ/site/en/oj/2005/l_214/l_21420050819en00650065.pdf)

**Commission Decision of 21 October 2005:** <http://www.rohs.gov.uk/Docs/links/RoHS%20second%20amendment.pdf>

## Threshold Levels for Non-exempt Applications:

Hazardous Substance	Threshold Levels (ppm)
Lead	1,000
Mercury	1,000
Cadmium	100
Hexavalent Chromium	1,000
Polybrominated Biphenyls (PBB)	1,000
Polybrominated Diphenyl Ethers (PBDE)	1,000

## Threshold Levels for Applications Specific to QA Technology's Products:

Hazardous Substance	Threshold Levels (ppm)		
Lead	Steel - 3,500	Aluminum - 4,000	Copper Alloys - 40,000
Cadmium	100		

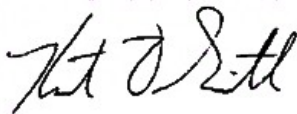
Note: All "Allowable Content Levels" pertain to levels as measured in *homogeneous* materials.

## Definitions:

- Homogeneous - Uniform in structure or composition throughout, as of a chemical mixture. A material that cannot be *mechanically separated* (i.e. metals, alloys, paper, plastic, ceramics, etc.).
- Mechanically Separated - Where two or more materials can be separated through mechanical means (i.e. cutting, grinding, abrasive processes, crushing, tearing, disassembling, etc.).

## Substances Applicable to QA Technology Company, Inc.:

QA Technology does not specify any finishes for its products containing levels of hazardous substances that exceed the RoHS Directive's thresholds. As a first step towards eliminating lead from our products we now manufacture sockets using lead-free solder. Lead is also used as an alloying element in metals to vary mechanical properties as needed. QA Technology uses materials that contain Lead such as Steels, Aluminums, and Copper Alloys, in a broad array of our products. These materials fall within acceptable levels as per the RoHS Directive's guidelines.



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*Note: All statements made within this document are valid as of the last dated Commission Decision listed above.*