

### RoHS (Restriction of Hazardous Substances) Compliance Declaration

Lake Shore Cryotronics, Inc. achieves RoHS compliance by meeting the requirements defined under Directive 2015/863/EU of the European Parliament and of the Council of 2015-03-31 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) Category 9, recast and its amendments: Including exemptions set forth in Annex III and IV. Below is a summary of these requirements:

Current Restrictions of Hazardous Substances	
Restricted Substance	Allowable Limit
*Cadmium	0.01%
*Lead	0.1%
Mercury	0.1%
Hexavalent chromium	0.1%
Polybrominated biphenyls (PBB)	0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%
Bis(2-ethylhexyl) phthalate (DEHP)	0.1%
Butyl benzyl phthalate (BBP)	0.1%
Dibutyl phthalate (DBP)	0.1%
Diisobutyl phthalate (DIBP)	0.1%

\*With current allowable exemptions

### Current Exemptions used by Lake Shore under Annex III and IV

RoHS Exemption	RoHS Exemption Description	Expiration
Annex III, 6(a)	Lead up to 0.35% by weight in alloyed steel (for machining) and galvanized steel	Valid - requested for renewal
Annex III, 6(b)	Lead up to 0.4% lead by weight in aluminium alloys	Valid - requested for renewal
Annex III, 6(c)	Lead up to 0.4% lead by weight in copper alloys	Valid - requested for renewal
Annex III, 7(a)	Lead up to 85% by weight in high-temperature solder alloys	Valid - requested for renewal
Annex III, 7(c)-I	Lead in glass or ceramics (including matrix compounds) other than for capacitor dielectrics (such as piezoelectric devices)	Valid - requested for renewal
Annex III, 7(c)-II	Lead and lead compounds in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher	Valid - requested for renewal
Annex III, 8(b)	Cadmium and its compounds in electrical contacts	Valid - requested for renewal
Annex III, 34	Lead in cermet-based trimmer potentiometer elements	Valid - requested for renewal
Annex IV, 26	Lead in solders of electrical connections to temperature measurement sensors in devices which are designed to be used periodically at temperatures below – 150 °C.	Valid - requested for renewal

The exemptions current status can be viewed here ([exemption status](#)).

In determining the RoHS status of its products, Lake Shore relies on its suppliers’ material content certification for each homogeneous material in the product(s) that they provide. Lake Shore is committed to meeting these requirements to the best of its abilities for a safer environment.

Sincerely,



Rachel Lusher  
Corporate Compliance Manager