EUROPEAN
COMMISSION

Brussels, XXX
[…](2026) XXX draft

ANNEX

ANNEX

to the

Commission Delegated Directive

amending Directive 2011/65/EU of the European Parliament and of the Council as regards exemptions for lead and cadmium in certain electrical and electronic equipment

ANNEX

Annexes III and IV are amended as follows:

(1) in Annex III, points 5(b), 13(a), 13(b), 13(b)-(I), 13(b)-(II), 13(b)-(III), 18(b), 18(b)-I, 24, 29, 32, and 34 are replaced by the following:

’5(b)	Lead (not intentionally added) in soda lime glass used in the glass tube of fluorescent lamps, not exceeding 0,2 % by weight	Expires on [same day as date of entry into force plus 30 months] for category 5.’
‘13(a)	Lead in white glasses used for optical applications (excluding applications falling under any of points 13(b) to 13b-V of this Annex)	Expires on [same day as date of entry into force plus 30 months] for categories 3, 4,6,7,8,9 and 11.’
‘13(b)	Cadmium and lead used in filter glasses and glasses for reflectance standards	Expires on [same day as date of entry into force plus 12 months] for categories 8,9 and 11.’
‘13(b)-I	Lead in ion coloured optical filter glass types	Expires on [same day as date of entry into force plus 30 months] for all categories.’
13(b)-II	Cadmium in striking optical filter glass types; excluding applications falling under point 39(a) of this Annex	
‘13(b)-III	Cadmium and lead in glazes used for reflectance standards	Expires on [same day as date of entry into force plus 12 months] for categories 1 to 7 and 10.’
‘13(b)-IV	Cadmium in glazes used for reflectance standards	Expires on [same day as date of entry into force plus 30 months] for categories 8 and 9.’
‘13(b)-V	Lead compound coatings in infrared interference filters used in infrared gas analysis and mid-far-infrared spectroscopy	Expires on [same day as date of entry into force plus 30 months] for category 9 industrial

		monitoring and control instruments.’
‘18(b)	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP ($BaSi_2O_5$:Pb)	Expires on [same day as date of entry into force plus 54 months] for categories 5, 8, 9 and 11.’
‘18(b)-I	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps containing phosphors such as BSP (BaSi2O5:Pb) when used in medical phototherapy equipment	Applies to category 5 and 8 and expires on [same day as date of entry into force plus 12 months]’
‘18(b)-II	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps containing phosphors such as BSP ($BaSi_2O_5$:Pb) when used in medical phototherapy equipment, including extracorporeal photopheresis lamps	Expires on [same day as date of entry into force plus 54 months] for categories 5, 8 and 9.’
‘24	Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors	Expires on [same day as date of entry into force plus 18 months] for all categories.’
‘24(a)	Lead in alloys used for soldering to through hole discoidal and/or planar array ceramic multilayer capacitors i) Not exceeding 50 % of lead by weight for applications where the components are mechanically mounted (e.g. by bolts, clips or screws) or bonded by a selective soldering/welding process and where the component will not exceed a temperature of 150°C ii) In high melting point solders containing ≥85 % of lead by weight for cases where the components are mounted using an elevated temperature process (e.g. solder reflow, welding) at a temperature of ≥150°C or where the component is rated to operate at a temperature of ≥150ºC’	Expires on [same day as date of entry into force plus 54 months] for all categories.’
‘29	Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC [(2)]	Expires on [same day as date of entry into force plus 30

		months] for categories 3, 4, 5 and 11.’
‘32	Lead oxide in glass frit used as a sealing material for making window assemblies for argon and/or krypton laser tubes	Expires on [same day as date of entry into force plus 30 months] for categories 6, 8, 9 and 11.’
‘34	Lead in cermet-based trimmer potentiometer elements	Expires on [same day as date of entry into force plus 30 months] for all categories.’

(2) Annex IV is amended as follows:

(a) point 1(b) is replaced by the following:

‘1(b) Lead anodes in electrochemical oxygen sensors.

Expires on [same day as date of entry into force plus 12 months].

1(b)-I Lead anodes in electrochemical sensors that measure oxygen concentrations of inhaled and/or exhaled air for patients and that are consumables in medical devices placed on the market before 26 May 2024.

Expires on [same day as date of entry into force plus 54 months] for category 8 medical devices other than in-vitro diagnostic medical devices.

1(b)-II Lead in galvanic oxygen sensors in instruments that are designed for the measurement of dissolved oxygen in concentrations below 30 ppb.

Expires on [same day as date of entry into force plus 54 months] for category 8 medical devices other than in-vitro diagnostic medical devices.

1(b)-IIILead anodes in galvanic capillary oxygen sensors in instruments that are designed for the measurement of oxygen in gases.

Expires on [same day as date of entry into force plus 54 months] for category 9 industrial monitoring and control instruments.

1(b)-IV Lead anodes in galvanic Hersch cells for oxygen sensors where sensitivity below 100 ppm is required.

Expires on [same day as date of entry into force plus 54 months] for category 9 industrial monitoring and control instruments.

1(b)-V Cadmium anodes in Hersch cells for oxygen sensors where sensitivity below 100 ppm is required.

Expires on [same day as date of entry into force plus 78 months] for category 9.

1(b)-VI Lead anodes in galvanic permeable membrane oxygen sensors in instruments that are designed for the measurement of oxygen in gases.

Expires on [same day as date of entry into force plus 54 months] for category 9 industrial monitoring and control instruments.’;

(b) point 4 is replaced by the following:

‘4. Lead in glass frit of X-ray tubes and image intensifiers and lead in glass frit binder for assembly of gas lasers and for vacuum tubes that convert electromagnetic radiation into electrons.

Expires on [same day as date of entry into force plus 12 months] for categories 8 and 9.

4(a). Lead in glass frit binders for assembly of HeNe gas lasers used in heterodyne interferometry calibration and heterodyne interferometry positioning applications.

Expires on [same day as date of entry into force plus 30 months] for category 9 industrial monitoring and control instruments.’;

(c) point 9 is replaced by the following:

‘9. Cadmium in helium-cadmium lasers.

Expires on [same day as date of entry into force plus 12 months] for category 9.

9(a). Cadmium in helium-cadmium lasers of Raman spectrometers for stress measurement in semiconductors.

Expires on [same day as date of entry into force plus 30 months] for category 9 industrial monitoring and control instruments.';

(d) point 11 is replaced by the following:

'11. Lead in alloys as a superconductor and thermal conductor in magnetic resonance imaging (MRI).

Expires on [same day as date of entry into force plus 12 months].

11(a) Lead in alloys as a superconductor in MRI devices and nuclear magnetic resonance (NMR) devices.'

Expires on [same day as date of entry into force plus 78 months].';

(e) point 12 is replaced by the following:

'12. Lead and cadmium in metallic bonds creating superconducting magnetic circuits in MRI, SQUID, NMR (Nuclear Magnetic Resonance) or FTMS (Fourier Transform Mass Spectrometer) detectors.

Expires on [same day as date of entry into force plus 12 months].'

12(a) Lead in metallic bonds creating superconducting electric circuits in superconducting quantum interference device (SQUID) detectors.

Expires on [same day as date of entry into force plus 78 months].';

(f) point 34 is replaced by the following:

'34. Lead as an activator in the fluorescent powder of discharge lamps when used for extracorporeal photopheresis lamps containing BSP (BaSi2O5:Pb) phosphors.

Expires on [same day as date of entry into force plus 12 months].'.