

## ANNEX

In Annex IV to Directive 2011/65/EU the following point 39 is added:

39. Lead in micro-channel plates (MCPs) used in equipment where at least one of the following properties is present:
- (a) a compact size of the detector for electrons or ions, where the space for the detector is limited to a maximum of 3 mm/MCP (detector thickness + space for installation of the MCP), a maximum of 6 mm in total, and an alternative design yielding more space for the detector is scientifically and technically impracticable;
  - (b) a two-dimensional spatial resolution for detecting electrons or ions, where at least one of the following applies:
    - (i) a response time shorter than 25 ns;
    - (ii) a sample detection area larger than 149 mm<sup>2</sup>;
    - (iii) a multiplication factor larger than  $1,3 \times 10^3$ .
  - (c) a response time shorter than 5 ns for detecting electrons or ions;
  - (d) a sample detection area larger than 314 mm<sup>2</sup> for detecting electrons or ions;
  - (e) a multiplication factor larger than  $4,0 \times 10^7$ .

The exemption expires on the following dates:

- (a) 21 July 2021 for medical devices and monitoring and control instruments;
- (b) 21 July 2023 for in-vitro diagnostic medical devices;
- (c) 21 July 2024 for industrial monitoring and control instruments.