

## Proposal for corrigendum to Regulation No. 83

### I. Proposal

*Annex 4a, Appendix 4, amend paragraph 1.3.3.4 to read:*

“1.3.3.4. Fluorocarbon coated glass fibre filters or fluorocarbon membrane filters are required. All filter types shall have a 0.3 µm DOP (di-octylphthalate) **or PAO (poly-alpha-olefin) CS 68649-12-7 or CS 68037-01-4** collection efficiency of at least 99 per cent at a gas filter face velocity of ~~at least 35~~ **5.33** cm/s.”

### II. Justification

During discussions in the WLTP DTP PM-PN subgroup it was identified that PM sample filter specifications in Regulation 49 Annex 4A and Regulation 83 were incorrect. A corrected and elaborated specification was drafted to reflect the specification of currently used PM sample filters based on information provided by the PM sample filter supplier. It is proposed to correct the filter face velocity used for determining filter efficiency referenced in Regulations 49 Annex 4A and 83 to reflect that actually used by the filter manufacturers. In addition, the test aerosol material is supplemented by poly-alpha-olefin which is now commonly used for filter testing in preference to di-octylphthalate, as the latter is a potential carcinogen.

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