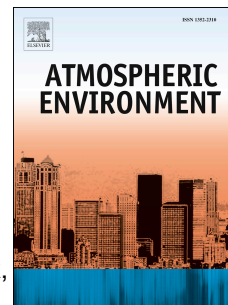


# Accepted Manuscript

Size-segregated urban aerosol characterization by electron microscopy and dynamic light scattering and influence of sample preparation

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PII: S1352-2310(18)30075-X

DOI: [10.1016/j.atmosenv.2018.02.004](https://doi.org/10.1016/j.atmosenv.2018.02.004)

Reference: AEA 15821

To appear in: *Atmospheric Environment*

Received Date: 26 July 2017

Revised Date: 8 December 2017

Accepted Date: 1 February 2018

Please cite this article as: Marvanová, Soňa, Kulich, P., Skoupy, R., Hubatka, František, Ciganeck, M., Bendl, J., Hovorka, J., Machala, M., Size-segregated urban aerosol characterization by electron microscopy and dynamic light scattering and influence of sample preparation, *Atmospheric Environment* (2018), doi: 10.1016/j.atmosenv.2018.02.004.

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1 **Size-segregated urban aerosol characterization by electron microscopy and dynamic**  
2 **light scattering and influence of sample preparation**

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16

17 **Abstract**

18 Size-segregated particulate matter (PM) is frequently used in chemical and toxicological  
19 studies. Nevertheless, toxicological *in vitro* studies working with the whole particles often  
20 lack a proper evaluation of PM real size distribution and characterization of agglomeration  
21 under the experimental conditions. In this study, changes in particle size distributions during  
22 the PM sample manipulation and also semiquantitative elemental composition of single

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