Comment on acp-2021-1026
Anonymous Referee #2

Referee comment on "Measurement report: Size-resolved chemical characterisation of aerosols in low-income urban settlements in South Africa" by Constance Keitumetse Segakweng et al., Atmos. Chem. Phys. Discuss., https://doi.org/10.5194/acp-2021-1026-RC2, 2022

Overall, really well-written paper! The methods were especially clear and detailed, and a wonderfully thorough discussion of results. Also interesting how higher indoor concentrations seem to be characteristic of South African studies/industrial activity. I think it is an excellent reference for detailed analyses of various kinds of pollutants and health hazards.

Minor comments:
- Lines 317-318 were a bit confusing to me, I'm not sure which two size distributions (or indoor vs. outdoor?) "higher" is relating, and if "while" suggests that there should be different behavior between the summer and winter indoor data for the PM2.5-10 bracket
- additional discussion of the validity/limits of using an ion balance to calculate the acidity of the aerosol
- some grammatical issues, not sure if related to local writing conventions vs. those in the US