

## Supplementary materials

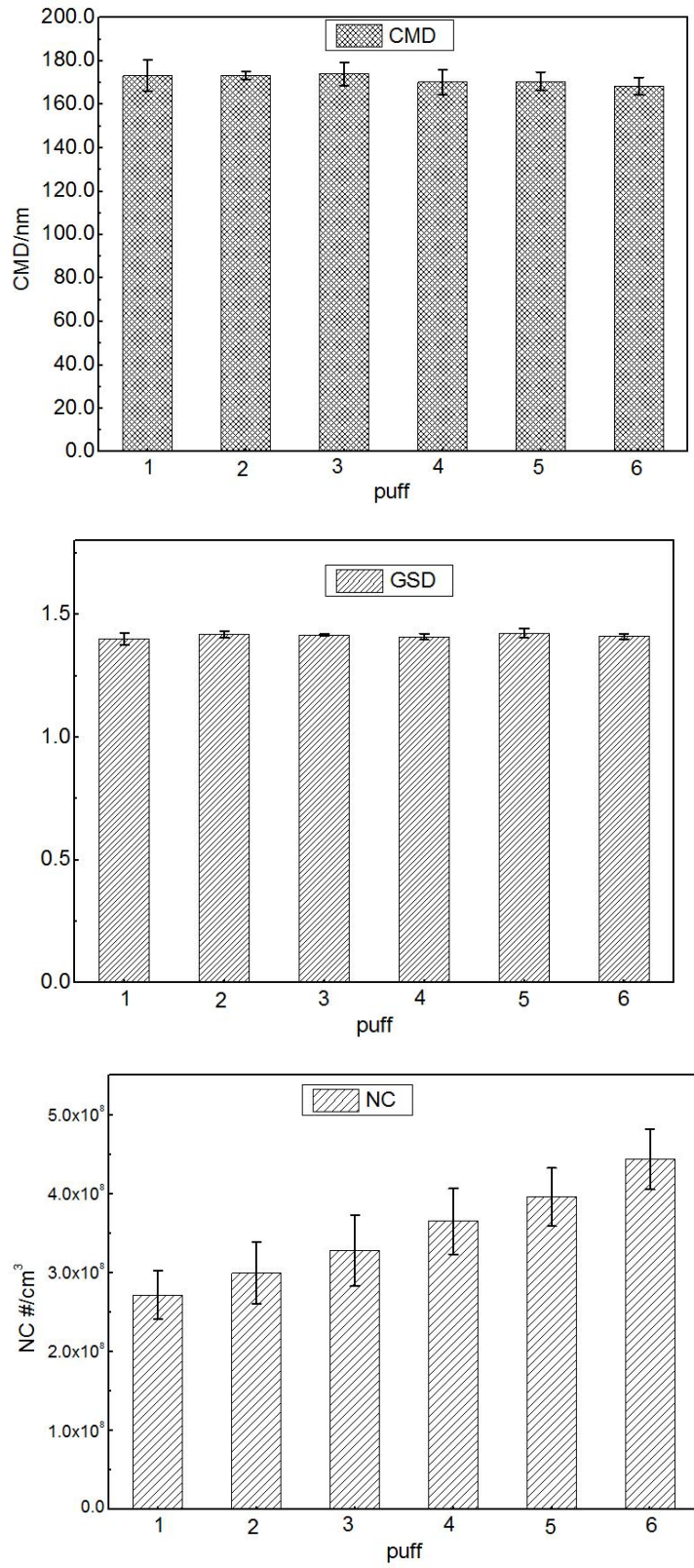


Fig. S1. The puff-by-puff CMD, GSD and NC of smoke particles from the 3R4F reference cigarette

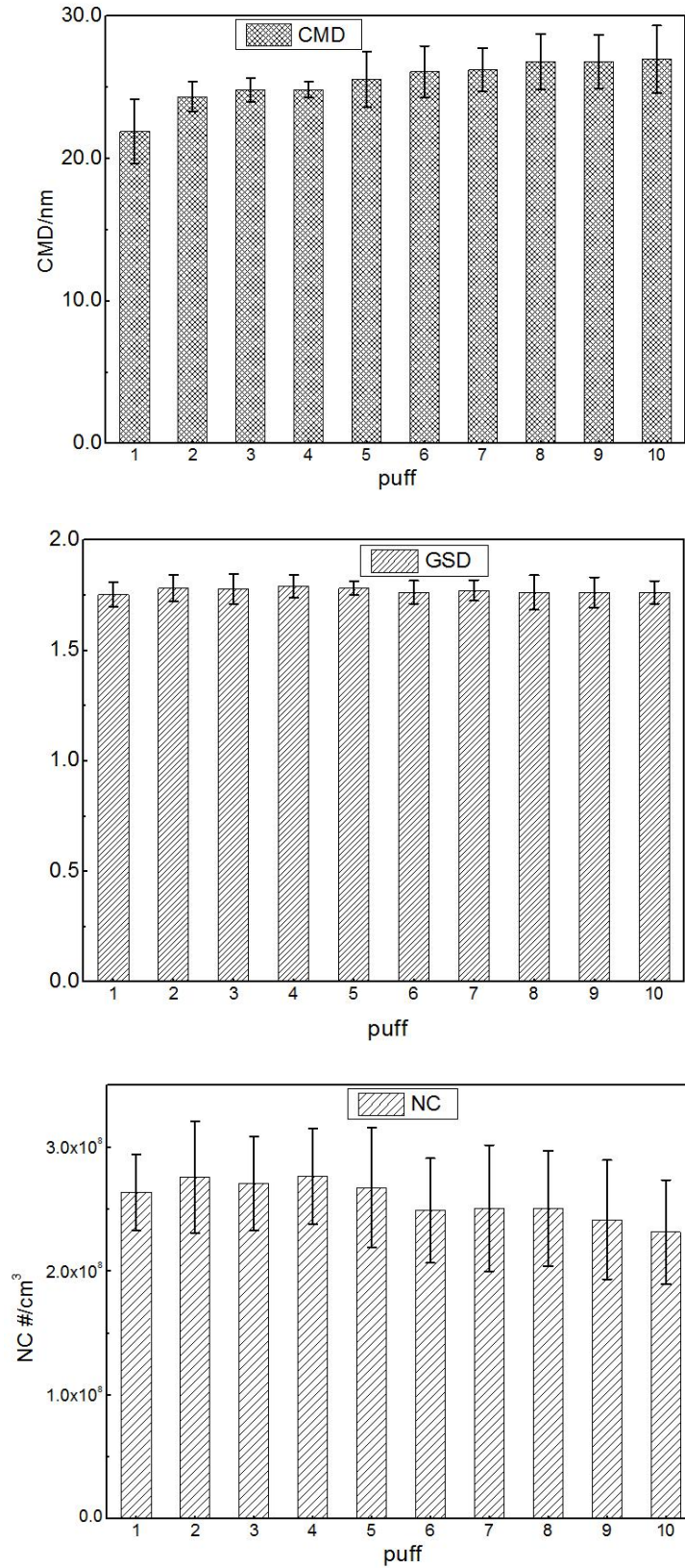


Fig. S2. The puff-by-puff CMD, GSD and NC of aerosol from the 4#E-cigarette.

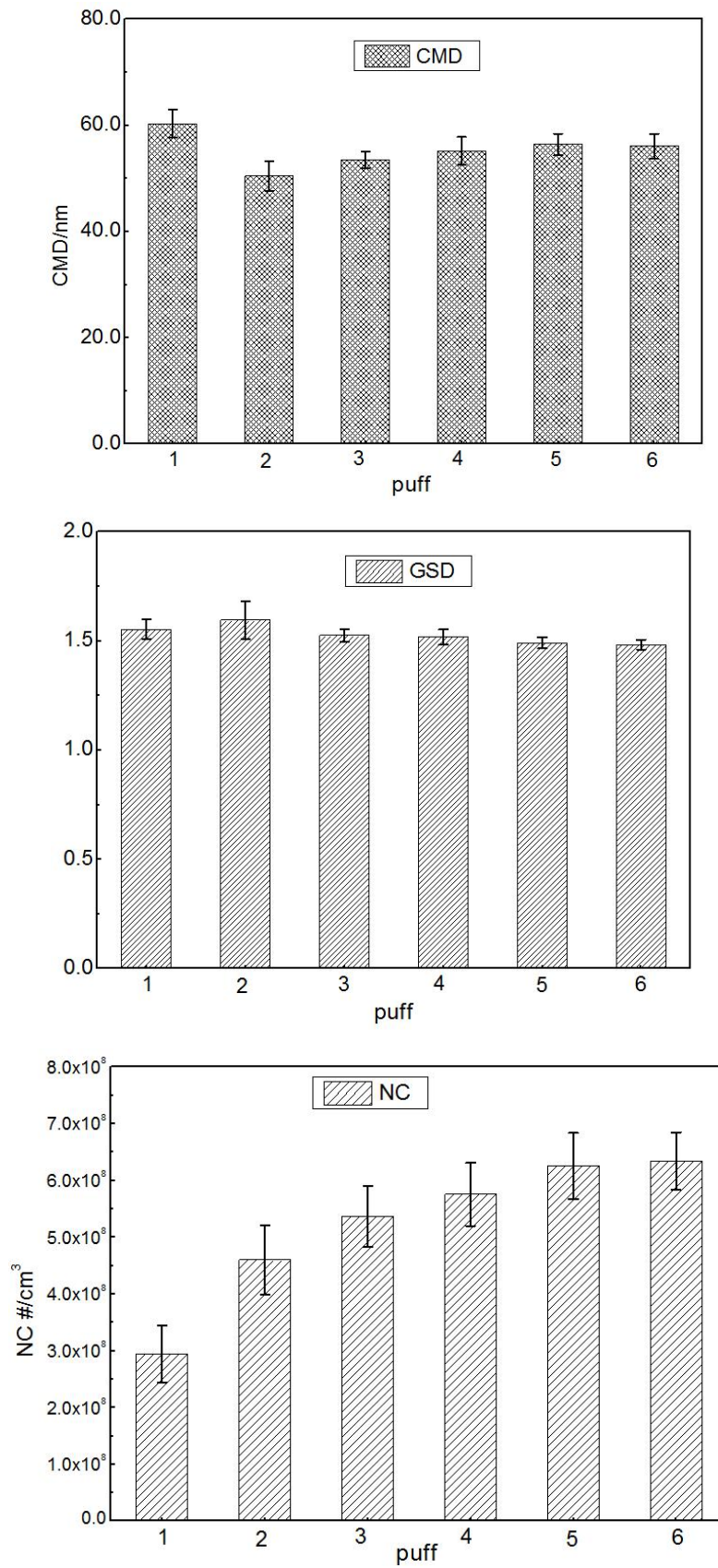


Fig. S3. The puff-by-puff CMD, GSD and NC of aerosol from the 7#HNB cigarette.