|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand** | **Average** **Air Flow Rate (mL/s)** | **Average** **Pressure Drop (mmH2O)** | **Average** **Absorbance** | **Average** **Puff Number** |
| Cartridge |
|  SE Golda | 18 ± 1 | 158 ± 26 | 0.20 ± 0.20 | 177 ± 15 |
|  NJOY NCIGa | 21 ± 1 | 128 ± 18 | 0.20 ± 0.10 | 313 ± 115 |
|  Crown 7 Hydroa | 16 ± 1 | 174 ± 23 | 0.30 ± 0.20 | 208 ± 34 |
|  Liberty Stixa | 11 ± 0 | 34 ± 6 | 0.40 ± 0.30 | 197 ± 64 |
|  VapCigsa | 12 ± 2 | 21 ± 2 | 0.30 ± 0.20 | 30 ± 43 |
|  VapCigs 2b | 6 ± 0 | 29 ± 7 | 0.20 ± 0.04 | 245 ± 18 |
| Cartomizers – Independent manufacturers |
|  SE Platinumb | 21 ± 1 | 79 ± 5 | 0.16 ± 0.05 | 160 ± 66 |
|  C7 Imperialb | 15 ± 1 | 62 ± 8 | 0.21 ± 0.06 | 400 ± 10 |
|  NJOY NPRO | 11 ± 4 | 106 ± 109 | 0.66 ± 0.13 | 300 ± 0 |
|  SafeCig | 15 ± 2 | 93 ± 3 | 0.58 ± 0.24 | 300 ± 0 |
|  LS Eagle | 12 ± 4 | 68 ± 10 | 0.13 ± 0.07 | 172 ± 67 |
|  Smoke 51 | 4 ± 0 | 92 ± 15 | 0.36 ± 0.09 | 294 ± 11 |
|  SB Smoke | 14 ± 1 | 42 ± 3 | 0.75 ± 0.23 | 300 ± 0 |
|  V2 Cigs | 13 ± 0 | 49 ± 15 | 0.87 ± 0.12 | 300 ± 0 |
|  BluCig | 9 ± 3 | 22 ± 9 | 0.54 ± 0.15 | 300 ± 0 |
|  Greensmoke | 11 ± 2 | 74 ± 22 | 0.43 ± 0.34 | 233 ± 115 |
| Cartomizer – Major Tobacco |
|  Mark 10 | 7 ± 3 | 33 ± 20 | 0.64 ± 0.10 | 268 ± 29 |
|  Vuse | 12 ± 2 | 55 ± 5 | 0.86 ± 0.05 | 214 ± 22 |
| Disposable – Air Flow Activated |
| BluCigc | 7 ± 0 | 39 ± 5 | 0.48 ± 0.11 | 331 ± 13 |
| NJOY Kingc | 15 ± 5 | 67 ± 34 | 0.75 ± 0.28 | 171 ± 37 |
| V2 Cigsc | 14 ± 1 | 59 ± 5 | 0.73 ± 0.13 | 208 ± 47 |
| Smoothc | 15 ± 0 |  46 ± 8  | 0.84 ± 0.02 |  |
| Tsunamic | 17 ± 0 | 54 ± 2 | 0.68 ± 0.25 |  |
| Disposable – Button Activated |
|  Square 82c | 3 ± 0 | 6 ± 4 | 0.41 ± 0.07 | 126 ± 25 |
| Imperial Hookahc | 3 ± 0 | 12 ± 0 | 0.55 ± 0.11 | 163 ± 12 |
| Luxury Lightsc | 3 ± 0 | 9 ± 5 | 0.41 ± 0.14 | 182 ± 19 |
| Starbuzzc | 3 ± 1 | 6 ± 7 | 0.45 ± 0.09 | 130 ± 2 |
| aProducts from Trtchounian, Williams, Talbot 2010 NTR |
| bProducts from Williams, Talbot 2011 NTR  |
| cProducts from Williams, Ghai, Talbot 2014 NTR |

 Supplementary Table 1: Performance properties by brand for cartridge, cartomizer and disposable EC