Supplementary Table S1.

Bioactive components in cranberry extract powder (quantified) and cranberry beverage final product (calculated)

|  |  |  |
| --- | --- | --- |
|  | Extract powder(mg/g) | Cranberry beverage(mg/450mL) |
| Anthocyanins | 24.2 | 6.75 |
| Flavonols  | 195.73 | 54.61 |
| Phenolic acids | 115.16 | 32.13 |
| Proanthocyanidins  | 537.58 | 149.98 |
| Polyphenols | 484.5 | 135.17 |

Bioactive phenolics in the cranberry extract powder were quantified by analytical instruments as stated in the Experimental Methods section. The amounts of phenolic components in the cranberry beverage were calculated based on the following rationale: every 100mL of final product contained 0.077 g of cranberry extract powder according to formula. With an estimated 20% overall loss during thermal processing, the final product should contain 0.077 \* 80% = 0.062 g of cranberry extract powder per 100mL. To project the quantity of bioactive components in 450mL of final product, we used the amount presented in the extract powder (as listed in the table) multiplied by 0.062 and multipled by 4.5 to obtain the final results.