**Table S1** Significance of effects (F & P-values) for descriptive attributes for the bowel cleansing laxative solutions

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Attributes** | **Panelist**  (df = 13) | **Sample**  (df = 3) | **Replicate**  (df = 2) | **S×P**  (df = 39) | **R×P**  (df = 26) | **S×R**  (df = 6) |
| ***Appearance*** |  |  |  |  |  |  |
| Turbidity | 5.6\*\*\* | 9.1\*\*\* | 3.1 | 1.4 | 1.5 | 0.5 |
| Viscosity | 5.4\*\*\* | 4.2\* | 4.5\* | 1.5 | 1.7\* | 0.1 |
| ***Odor*** |  |  |  |  |  |  |
| Orange | 2.0 | 15.9\*\*\* | 0.0 | 2.3\*\* | 0.4 | 1.3 |
| Citrus | 2.0 | 35.0\*\*\* | 4.7\* | 2.1\*\* | 0.6 | 1.3 |
| ***Flavor*** |  |  |  |  |  |  |
| Saltiness | 2.9\*\* | 8.8\*\*\* | 0.7 | 2.7\*\*\* | 1.3 | 0.9 |
| Sweetness | 6.3\*\*\* | 2.8 | 5.3\* | 5.7\*\*\* | 1.2 | 0.8 |
| Sourness | 4.5\*\*\* | 18.5\*\*\* | 0.6 | 2.5\*\*\* | 1.2 | 1.4 |
| Sweetener | 8.4\*\*\* | 3.7\* | 3.5\* | 4.7\*\*\* | 1.6 | 1.6 |
| Bitterness | 2.0 | 8.5\*\*\* | 0.2 | 4.8\*\*\* | 1.0 | 0.9 |
| Orange | 1.6 | 10.9\*\*\* | 0.7 | 6.1\*\*\* | 1.4 | 0.6 |
| Citrus | 1.3 | 11.4\*\*\* | 2.3 | 3.7\*\*\* | 1.2 | 0.7 |
| ***Mouthfeel*** |  |  |  |  |  |  |
| Adhesiveness | 4.8\*\*\* | 4.3\*\* | 1.3 | 3.9\*\*\* | 2.0\* | 1.4 |
| Astringency | 2.2\* | 11.0\*\*\* | 1.2 | 2.0\*\* | 2.6\*\* | 0.1 |
| Mouthcoating | 3.7\*\*\* | 4.8\*\* | 0.9 | 2.4\*\*\* | 1.6 | 0.7 |
| ***Aftertaste*** |  |  |  |  |  |  |
| Sweet | 10.2\*\*\* | 8.6\*\*\* | 2.6 | 1.8\* | 2.4\*\*\* | 1.6 |
| Sour | 6.3\*\*\* | 16.3\*\*\* | 2.1 | 2.4\*\*\* | 0.9 | 0.8 |
| Astringent | 1.3 | 9.1\*\*\* | 2.1 | 2.4\*\*\* | 2.1\*\* | 0.9 |
| Bitter | 2.0 | 15.2\*\*\* | 0.3 | 2.2\*\*\* | 1.5 | 0.7 |
| Throatburn | 3.5\*\* | 7.9\*\*\* | 0.9 | 1.9\*\* | 1.4 | 0.4 |

\*P<0.05; \*\*P<0.01; \*\*\*P<0.001

**Table S2** Significance of effects (F & P-values) for

acceptability attributes for the bowel cleansing solutions

|  |  |  |
| --- | --- | --- |
| **Attributes** | **Panelist**  (df = 79) | **Sample**  (df = 3) |
| Overall Acceptability | 1.8\*\*\* | 22.3\*\*\* |
| Odor | 1.3 | 4.2\*\* |
| Taste | 1.6\*\* | 22.2\*\*\* |
| Mouthfeel | 1.9\*\*\* | 14.5\*\*\* |

\*P<0.05; \*\*P<0.01; \*\*\*P<0.001