



SENSORY EVALUATION OF SWEETENER SL0100 and VANILLA CREAM POWDER FLAVOUR 1050 in INSTANT COFFEE DRINK

Objective:

The product application and evaluation were done to determine the optimum dosage of Sweetener SL0100 and Vanilla Cream Powder Flavour 1050 into the instant coffee drink to achieve the most favorable level of sweetness and creaminess as compared to the control.

Results and Analysis:

INGREDIENTS	CONTROL (% w/w)	1 (% w/w)	2 (% w/w)	3 (% w/w)	4 (% w/w)	5 (% w/w)
Popular instant coffee powder	0.90	0.90	0.90	0.90	0.90	0.90
Sugar	9.00	0.00	0.00	4.50	0.00	4.50
Non-Dairy Creamer	2.00	2.00	2.00	2.00	2.00	2.00
Sweetener SL0100	0.00	0.10	0.10	0.10	0.10	0.05
Vanilla Cream Powder Flavour 1050	0.00	0.00	0.10	0.10	0.05	0.05
Water	88.10	97.00	96.90	92.40	96.95	92.50
Total	100.00	100.00	100.00	100.00	100.00	100.00

Control - 9% sugar, no sweetener and no flavour

Trial 1 - no sugar, 0.1% Sweetener SL0100,

Trial 2 - no sugar, 0.1% Sweetener SL0100, 0.1% Vanilla Cream Powder 1050

Trial 3 - 4.5% sugar, 0.1% Sweetener SL0100, 0.1% Vanilla Cream Powder 1050

Trial 4 - no sugar, 0.1% Sweetener SL0100, 0.05% Vanilla Cream Powder 1050

Trial 5 - 4.5% sugar, 0.05% Sweetener SL0100, 0.05% Vanilla Cream Powder 1050

The control and trials 1-3 were initially evaluated by the panelists and trials 2 and 3 were found most favorable in the basis of sweetness and creaminess respectively. However, it was recommended that in trial 2, the dosage of Sweetener SL001 should be lowered to just 0.05%. Likewise, the dosage of Sweetener SL0100 and Vanilla Cream Powder Flavour in trial 3 should be lowered to 0.05%.

Conclusion:

The adjustments made as shown in Trials 4 and 5 proved to achieve the desired level of sweetness and creaminess as evaluated by the panelists.

Trial 4 showed that even without sugar, the taste won't be compromised with the addition of Vanilla Cream Powder Flavour 1050. This basic formulation is suitable for diabetics and health conscious individuals.

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Trial 5 showcased the best combination using less sugar but with added Sweetener SL0100 and Vanilla Cream Powder 1050. This gives a fuller sweetness and creaminess as compared to trial 4 which can be attributed to the presence of sugar in the formulation.

Sweetener SL0100 elevates the sweetness of the product without adding sugar and Vanilla Cream Powder Flavour improves the flavour of the product with its rich creamy vanilla taste.

Prepared by/Date:

A handwritten signature in black ink, appearing to read 'Lorelie Caso', is written over a light gray rectangular background.

Lorelie Caso
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August 18, 2010

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