**Claims**

1. A fruit juice beverage comprising:

(a) a natural sugar in an amount corresponding to a sweetness intensity X1;

(b) a high-intensity sweetener in an amount corresponding to a sweetness intensity X2; and

(c) less than 70 mg/100ml of sodium,

wherein the high-intensity sweetener comprises at least one high-intensity sweetener b1 selected from the group consisting of rebaudioside M, rebaudioside D, rebaudioside N, rebaudioside O, rebaudioside E, and a luo han guo extract, and

$0.1 < (X1 + X2) \leq 20$ is satisfied.

2. The fruit juice beverage according to claim 1, wherein a sodium content is 5 to 60 mg/100ml.

3. The fruit juice beverage according to claim 1 or 2, wherein energy is 50 Kcal/100 ml or less.

4. The fruit juice beverage according to any one of claims 1 to 3, wherein X1 is 0.1 to 5.9.

5. The fruit juice beverage according to any one of claims 1 to 4, wherein a fruit juice percentage of the fruit juice beverage is 1 to 100%.

6. The fruit juice beverage according to any one of claims 1 to 5, wherein a fruit juice contained in the fruit juice beverage is one or more selected from an orange, a mikan, a lemon, a grapefruit, a lime, a pineapple, a strawberry, a blueberry, a black currant, a cranberry, a guava, a banana, an acerola, a papaya, a passion fruit, a mango, an apple, a grape, a peach, an ume, a pear, an apricot, a sumomo, a melon, a kiwi fruit, and a Japanese quince.

7. The fruit juice beverage according to any one of claims 1 to 6, wherein the natural sugar is at least one selected from the group consisting of glucose, sucrose, fructose, maltose, an oligosaccharide, a high-fructose corn syrup, lactose, psicose, allose, tagatose, and a combination thereof.

8. The fruit juice beverage according to any one of claims 1 to 7, wherein the high-intensity sweetener b1 is at least one selected from the group consisting of rebaudioside M, rebaudioside D, a luo han guo extract, and a combination thereof.

9. The fruit juice beverage according to any one of claims 1 to 8, wherein the sodium is at least one selected from the group consisting of sodium chloride, sodium hydroxide, sodium malate, sodium sulfate, sodium citrate,

sodium phosphate, sodium carbonate, sodium disulfide, sodium bicarbonate, sodium alginate, sodium arginate, sodium glucoheptonate, sodium gluconate, sodium glutamate, sodium tartrate, sodium aspartate, sodium lactate, sodium caseinate, sodium ascorbate, and mixtures thereof.

10. The fruit juice beverage according to any one of claims 1 to 9, wherein the fruit juice beverage comprises 5 to 60 mg/100ml of sodium, energy is 50 Kcal/100 ml or less, and X1 + X2 is 6 or more.

11. The fruit juice beverage according to any one of claims 1 to 10, which is packed in a container.

12. The fruit juice beverage according to claim 1, wherein the content of the high-intensity sweetener b1 based on the amount of the high-intensity sweetener (b) is 50 mass% or more.

13. The fruit juice beverage according to claim 1, wherein a sodium content is 10 mg/100ml or more and less than 70 mg/100ml.

14. A method for producing a fruit juice beverage, comprising: to a raw material,

(i) adding (a) a natural sugar in an amount corresponding to a sweetness intensity X1 and (b) a high-

intensity sweetener in an amount corresponding to a sweetness intensity X2; and

(ii) adding (c) sodium such that a sodium content in the beverage is less than 70 mg/100ml,

wherein the high-intensity sweetener comprises at least one high-intensity sweetener b1 selected from the group consisting of rebaudioside M, rebaudioside D, rebaudioside N, rebaudioside O, rebaudioside E, and a luo han guo extract, and

$0.1 < (X1 + X2) \leq 20$ is satisfied.

15. The method according to claim 14, wherein in the fruit juice beverage, the sodium content is 5 to 60 mg/100ml.

16. The method according to claim 14 or 15, wherein energy of the fruit juice beverage is 50 Kcal/100 ml or less.

17. The method according to any one of claims 14 to 16, wherein X1 is 0.1 to 5.9.

18. The method according to any one of claims 14 to 17, wherein a fruit juice percentage of the fruit juice beverage is 1 to 100%.

19. The method according to any one of claims 14 to 18, wherein a fruit juice contained in the fruit juice beverage is one or more selected from an orange, a mikan, a lemon,

a grapefruit, a lime, a pineapple, a strawberry, a blueberry, a black currant, a cranberry, a guava, a banana, an acerola, a papaya, a passion fruit, a mango, an apple, a grape, a peach, an ume, a pear, an apricot, a sumomo, a melon, a kiwi fruit, and a Japanese quince.

20. The method according to any one of claims 14 to 19, wherein the natural sugar is at least one selected from the group consisting of glucose, sucrose, fructose, maltose, an oligosaccharide, a high-fructose corn syrup, lactose, psicose, allose, tagatose, and a combination thereof.

21. The method according to any one of claims 14 to 20, wherein the high-intensity sweetener b1 is at least one selected from the group consisting of rebaudioside M, rebaudioside D, a luo han guo extract, and a combination thereof.

22. The method according to any one of claims 14 to 21, wherein the sodium is at least one selected from the group consisting of sodium chloride, sodium hydroxide, sodium malate, sodium sulfate, sodium citrate, sodium phosphate, sodium carbonate, sodium disulfide, sodium bicarbonate, sodium alginate, sodium arginate, sodium glucoheptonate, sodium gluconate, sodium glutamate, sodium tartrate,

sodium aspartate, sodium lactate, sodium caseinate, sodium ascorbate, and mixtures thereof.

23. The method according to any one of claims 14 to 22, wherein in the fruit juice beverage, the sodium content is 15 to 50 mg/100ml, energy is 50 Kcal/100 ml or less, and X1 + X2 is 6 or more.

24. A concentrate for providing the fruit juice beverage according to claim 1, comprising:

(a) a natural sugar in an amount corresponding to a sweetness intensity X4;

(b) a high-intensity sweetener in an amount corresponding to a sweetness intensity X5; and

(c) less than 700 mg/100ml of sodium

wherein $(X4 + X5) \leq 200$ is satisfied, and

wherein the high-intensity sweetener comprises at least one high-intensity sweetener b1 selected from the group consisting of rebaudioside M, rebaudioside D, rebaudioside N, rebaudioside O, rebaudioside E, and a luo han guo extract.

25. A method for enhancing a sweetness of a fruit juice beverage, comprising containing:

(a) a natural sugar in an amount corresponding to a sweetness intensity X1;

(b) a high-intensity sweetener in an amount corresponding to a sweetness intensity X2; and

(c) less than 70 mg/100ml of sodium

in the fruit juice beverage,

wherein the high-intensity sweetener comprises at least one high-intensity sweetener b1 selected from the group consisting of rebaudioside M, rebaudioside D, rebaudioside N, rebaudioside O, rebaudioside E, and a luo han guo extract.