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;

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

(d) less than 70 mg/100ml of potassium and/or less than 70 mg/100ml of calcium,

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~~, mogroside V, and thaumatin~~, 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, which comprises 0.1 to 60 mg/100ml of potassium and/or 0.1 to 60 mg/100ml of calcium.

4. The fruit juice beverage according to any one of claims 1 to 3, wherein energy is 50 Kcal/100 ml or less.

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

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

7. The fruit juice beverage according to any one of claims 1 to 6, 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 blueberry,~~ 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.

8. The fruit juice beverage according to any one of claims 1 to 7, 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.

9. The fruit juice beverage according to any one of claims 1 to 8, 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, ~~mogroside V,~~ and a combination thereof.

10. The fruit juice beverage according to any one of claims 1 to 9, 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, monosodium glutamate, sodium tartrate, monosodium aspartate, sodium lactate, sodium caseinate, sodium ascorbate, and mixtures thereof.

11. The fruit juice beverage according to any one of claims 1 to 10, wherein the potassium is at least one selected from the group consisting of potassium alginate, potassium chloride, potassium citrate, potassium gluconate, monopotassium L-glutamate, potassium bromate, potassium hydrogen DL-tartrate, potassium hydrogen L-tartrate, potassium nitrate, potassium hydroxide, potassium sorbate, potassium carbonate, potassium lactate, potassium norbixin, potassium pyrosulfite, tetrapotassium pyrophosphate, potassium ferrocyanide, potassium polyphosphate, potassium metaphosphate, potassium aluminum sulfate, potassium sulfate, tripotassium phosphate, dipotassium hydrogen

phosphate, potassium dihydrogen phosphate, and mixtures thereof.

12. The fruit juice beverage according to any one of claims 1 to 11, wherein the calcium is at least one selected from the group consisting of calcium L-ascorbate, calcium alginate, calcium disodium ethylenediaminetetraacetate, calcium chloride, carboxymethylcellulose calcium, calcium citrate, calcium glycerophosphate, calcium gluconate, monocalcium Di-L-glutamate, calcium silicate, calcium acetate, calcium oxide, calcium hydroxide, calcium stearate, calcium stearoyl lactate, calcium sorbate, calcium carbonate, calcium lactate, calcium pantothenate, calcium dihydrogen pyrophosphate, calcium ferrocyanide, calcium propionate, calcium 5'-ribonucleotide, calcium sulfate, tricalcium phosphate, calcium monohydrogen phosphate, calcium dihydrogen phosphate, and mixtures thereof.

13. The fruit juice beverage according to any one of claims 1 to 12, wherein the fruit juice beverage comprises 5 to 60 mg/100ml of sodium and comprises 0.1 to 60 mg/100ml of potassium and/or 0.1 to 60 mg/100ml of calcium, energy is 50 Kcal/100 ml or less, and X1 + X2 is 6 or more.

14. The fruit juice beverage according to any one of claims 1 to 13, which is packed in a container.

15. The fruit juice beverage according to claim 1, 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, and rebaudioside E.

16. 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.

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

~~15~~18. 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;

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

(iii) adding (d) potassium such that a potassium content in the beverage is less than 70 mg/100ml and/or

adding (d) calcium such that a calcium 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~~, mogroside V, and thaumatin~~, and

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

~~16~~19. The method according to claim ~~15~~18, wherein in the fruit juice beverage, a sodium content is 5 to 60 mg/100ml.

~~17~~20. The method ~~fruit juice beverage~~ according to claim ~~15 or 16~~ 18 or 19, wherein the fruit juice beverage comprises 0.1 to 60 mg/100ml of potassium and/or 0.1 to 60 mg/100ml of calcium.

~~18~~21. The method according to any one of claims ~~15 to 17~~ 18 to 20, wherein energy of the fruit juice beverage is 50 Kcal/100 ml or less.

~~19~~22. The method according to any one of claims 18 to 21~~15 to 18~~, wherein X1 is 0.1 to 5.9.

~~20~~23. The method according to any one of claims 18 to 22~~15 to 19~~, wherein a fruit juice percentage of the fruit juice beverage is 1 to 100%.

24~~21~~. The method according to any one of claims 18 to 23~~15 to 20~~, 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 blueberry, 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.

~~22~~25. The method according to any one of claims 18 to 24~~15 to 21~~, 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.

~~23~~26. The method according to any one of claims ~~15 to 22~~ 18 to 25, 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, mogroside V, and a combination thereof.

~~24~~27. The method according to any one of claims 18 to 26~~15 to 23~~, 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, monosodium glutamate, sodium tartrate, monosodium aspartate, sodium lactate, sodium caseinate, sodium ascorbate, and mixtures thereof.

~~25~~28. The method ~~fruit juice beverage~~ according to any one of claims ~~15 to 24~~ 18 to 27, wherein the potassium is at least one selected from the group consisting of potassium alginate, potassium chloride, potassium citrate, potassium gluconate, monopotassium L-glutamate, potassium bromate, potassium hydrogen DL-tartrate, potassium hydrogen L-tartrate, potassium nitrate, potassium hydroxide, potassium sorbate, potassium carbonate, potassium lactate, potassium norbixin, potassium pyrosulfite, tetrapotassium pyrophosphate, potassium ferrocyanide, potassium polyphosphate, potassium metaphosphate, potassium aluminum sulfate, potassium sulfate, tripotassium phosphate, dipotassium hydrogen phosphate, potassium dihydrogen phosphate, and mixtures thereof.

~~26~~29. The method ~~fruit juice beverage~~ according to any one of claims 18 to 28~~15 to 25~~, wherein the calcium is at least one selected from the group consisting of calcium L-ascorbate, calcium alginate, calcium disodium ethylenediaminetetraacetate, calcium chloride, carboxymethylcellulose calcium, calcium citrate, calcium glycerophosphate, calcium gluconate, monocalcium Di-L-glutamate, calcium silicate, calcium acetate, calcium oxide, calcium hydroxide, calcium stearate, calcium stearoyl lactate, calcium sorbate, calcium carbonate, calcium lactate, calcium pantothenate, calcium dihydrogen pyrophosphate, calcium ferrocyanide, calcium propionate, calcium 5'-ribonucleotide, calcium sulfate, tricalcium phosphate, calcium monohydrogen phosphate, calcium dihydrogen phosphate, and mixtures thereof.

~~27~~30. The method according to any one of claims 18 to 29~~15 to 26~~, wherein the fruit juice beverage comprises 5 to 60 mg/100ml of sodium and comprises 0.1 to 60 mg/100ml of potassium and/or 0.1 to 60 mg/100ml of calcium, energy is 50 Kcal/100 ml or less, and X1 + X2 is 6 or more.

~~28~~31. 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;

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

(d) less than 700 mg/100ml of potassium and/or less than 700 mg/100ml of calcium,

wherein (X4 + X5) ≤ 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.

3229. 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;

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

(d) less than 70 mg/100ml of potassium and/or less than 70 mg/100ml of calcium

in the fruit juice beverage, 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.