Claims

1. A sparkling 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) 6 to 60 mg/100 ml of sodium; and

(d) less than 70 mg/100 ml of potassium and/or less than 70 mg/100 ml 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, a Luo han guo extract, mogroside V, and thaumatin; and

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

2. The sparkling beverage according to Claim 1, wherein a sodium content is 10 to 50 mg/100 ml.

3. The sparkling beverage according to Claim 1 or 2, which comprises 0.1 to 60 mg/100 ml of potassium and/or 0.1 to 60 mg/100 ml of calcium.

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

5. The sparkling beverage according to any one of Claims 1 to 4, wherein X1 is 0.1 to 5.9.

6. The sparkling beverage according to any one of Claims 1 to 5, wherein a gas pressure is 0.22~~2.2~~ to 0.39~~4.0~~ MPa~~kgf/cm^2~~.

7. The sparkling beverage according to any one of Claims 1 to 6, which is a beverage of orange flavor, lemon flavor, lime flavor, grape flavor, ginger ale flavor, energy drink flavor, cassis flavor, or cola flavor.

8. The sparkling 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, oligosaccharide, high-fructose corn syrup, lactose, psicose, allose, tagatose, and a combination thereof.

9. The sparkling beverage according to any one of Claims 1 to 8, wherein the high-intensity sweetener 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 sparkling 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 argininate, sodium glucoheptanoate, sodium gluconate, sodium glutamate, sodium tartrate, sodium aspartate, sodium lactate, sodium caseinate, sodium ascorbate, and a mixture thereof.

11. The sparkling 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, L-

potassium glutamate, potassium bromate, DL-potassium hydrogen tartrate, L-potassium hydrogen tartrate, potassium nitrate, potassium hydroxide, potassium sorbate, potassium carbonate, potassium lactate, potassium norbixin, potassium pyrosulfate, tetrapotassium pyrophosphate, potassium ferrocyanide, potassium polyphosphate, potassium metaphosphate, potassium aluminum sulfate, potassium sulfate, tripotassium phosphate, dipotassium hydrogen phosphate, potassium dihydrogen phosphate, and a mixture thereof.

12. The sparkling beverage according to any one of Claims 1 to 11, wherein the calcium is at least one selected from the group consisting of L-calcium ascorbate, calcium alginate, calcium disodium ethylenediaminetetraacetate, calcium chloride, calcium carboxymethyl cellulose, calcium citrate, calcium glycerophosphate, calcium gluconate, L-calcium 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 a mixture thereof.

13. The sparkling beverage according to any one of Claims 1 to 12, wherein the sparkling beverage comprises 10 to 35 mg/100 ml of sodium, comprises 0.1 to 60 mg/100 ml of

potassium and/or 0.1 to 60 mg/100 ml of calcium, and energy is 50 Kcal/100 ml or less, and X1 + X2 is 6 or more.

14. The sparkling beverage according to any one of Claims 1 to 13, which is packed in a container.

15. A method for producing a sparkling beverage, comprising: to a raw material,

(i) adding (a) a natural sugar in an amount of a sweetness intensity X1 and (b) a high-intensity sweetener in an amount of a sweetness intensity X2;

(ii) adding (c) sodium such that a sodium content in the beverage is 6 to 60 mg/100 ml; and

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

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, a Luo han guo extract, mogroside V, and thaumatin; and

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

16. The method according to Claim 15, wherein in the sparkling beverage, the sodium content is 10 to 50 mg/100 ml.

17. The method according to Claim 15 or 16, wherein the sparkling beverage comprises 0.1 to 60 mg/100 ml of potassium and/or 0.1 to 60 mg/100 ml of calcium.

18. The method according to any one of Claims 15 to 17, wherein energy of the sparkling beverage is 50 Kcal/100 ml or less.

19. The method according to any one of Claims 15 to 18, wherein X1 is 0.1 to 5.9.

20. The method according to any one of Claims 15 to 19, wherein a gas pressure of the sparkling beverage is 0.22~~2.2~~ to 0.39~~4.0~~ MPa~~kgf/cm^2~~.

21. The method according to any one of Claims 15 to 20, wherein the sparkling beverage is a beverage of orange flavor, lemon flavor, lime flavor, grape flavor, ginger ale flavor, energy drink flavor, cassis flavor, or cola flavor.

22. The method according to any one of Claims 15 to 21, wherein the natural sugar is at least one selected from the group consisting of glucose, sucrose, fructose, maltose, oligosaccharide, high-fructose corn syrup, lactose, psicose, allose, tagatose, and a combination thereof.

23. The method according to any one of Claims 15 to 22, wherein the high-intensity sweetener 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. The method according to any one of Claims 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 argininate, sodium glucoheptanoate, sodium gluconate, sodium glutamate, sodium tartrate, sodium aspartate, sodium lactate, sodium caseinate, sodium ascorbate, and a mixture thereof.

25. The sparkling beverage according to any one of Claims 15 to 24, wherein the potassium is at least one selected from the group consisting of potassium alginate, potassium chloride, potassium citrate, potassium gluconate, L-potassium glutamate, potassium bromate, DL-potassium hydrogen tartrate, L-potassium hydrogen tartrate, potassium nitrate, potassium hydroxide, potassium sorbate, potassium carbonate, potassium lactate, potassium norbixin, potassium pyrosulfate, tetrapotassium pyrophosphate, potassium ferrocyanide, potassium polyphosphate, potassium metaphosphate, potassium aluminum sulfate, potassium sulfate, tripotassium phosphate, dipotassium hydrogen phosphate, potassium dihydrogen phosphate, and a mixture thereof.

26. The sparkling beverage according to any one of Claims 15 to 25, wherein the calcium is at least one selected from the group consisting of L-calcium ascorbate, calcium alginate, calcium disodium ethylenediaminetetraacetate, calcium chloride, calcium carboxymethyl cellulose, calcium citrate, calcium glycerophosphate, calcium gluconate, L-calcium 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 a mixture thereof.

27. The method according to any one of Claims 15 to 26, wherein the sparkling beverage comprises 10 to 35 mg/100 ml of sodium, comprises 0.1 to 60 mg/100 ml of potassium and/or 0.1 to 60 mg/100 ml of calcium, energy is 50 Kcal/100 ml or less, and X1 + X2 is 6 or more.

28. A concentrate for providing the sparkling 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) 60 to 600 mg/100 ml of sodium; and

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

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

29. A method for enhancing a sweetness of a sparkling 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) 6 to 60 mg/100 ml of sodium; and

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

in the sparkling 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, a Luo han guo extract, mogroside V, and thaumatin.