The certification of excellent environmental design for beverage PET bottles

The certification of excellent environmental design for beverage PET bottles are established as follows.

1. Must meet the following requirements.

Component	Requirement
Bottle	(1) Made solely from polyethylene terephthalate (PET), without the addition of any other substances. However, this does not apply if the bottles containing substances other than PET are safe, hygienic, and can be recycled. (2) Not to be colored. (3) The handle shall be made of uncolored PET or polyethylene (PE) or polypropylene (PP) with a specific gravity of less than 1.0. (4) Nothing is to be printed on the bottle, except for the printing of minor labels such as expiration dates, manufacturer-specific codes, or lot numbers.
Label	(1) Polyvinyl chloride (PVC) is not to be used. (2) Can be separated from the bottle during the recycling process, such as through air classification or washing. (3) The printing ink used for the label must not adhere to the bottle. (4) Cannot use labels that are laminated with aluminum (Al).
Cap	(1) Do not use Al or PVC. (2) Must use PE or PP with a specific gravity of less than 1.0 as the main raw material. (3) If glass marble or packing is used, the method of removal must be clearly indicated on the label.

2. Must be below the weight reduction standards established based on capacity and intended use.

(1) Aseptic use

[weight reduction standards for aseptic use] = 0.139 × [capacity (ml)] + 14.2

(2) Pressure-resistant use

[weight reduction standards for pressure-resistant use] = 0.0136 × [capacity (ml)] + 17.2

(3) Heat and pressure-resistant use

[weight reduction standards for heat and pressure-resistant use] = 0.0178 × [capacity (ml)] + 17.7

(4) Heat-resistant use

(i) [capacity (ml)] ≦ 500ml

[weight reduction standards for heat-resistant use] = 0.0164 × [capacity (ml)] + 16.8

(ii) 500ml ＜ [capacity (ml)] ≦ 1500ml

[weight reduction standards for heat-resistant use] = 0.0235 × [capacity (ml)] + 13.3

(iii) 1500ml ＜ [capacity (ml)]

[weight reduction standards for heat-resistant use] = 0.0098 × [capacity (ml)] + 33.9

3. The percentage of the total weight of the relevant container that consists of recycled plastics conforming to JIS Q 14021 7・8・1・1 a) 1), recycled plastics conforming to JIS Q 14021 7・8・1・1 a) 2), and biomass plastics (defined as plastics made from organic materials derived from living organisms, excluding fossil resources) must be 15 percent or more.