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Jelly candle

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Jelly candle

1 Scope

This Standard specifies the terms and definitions, requirements, test methods, inspection rules and marks, packaging, transportation, and storage for jelly candle.

This Standard is applicable to jelly candle products.

2 Normative references

The provisions in following documents become the provisions of this Standard through reference in this Standard. For dated references, the subsequent amendments (excluding corrigendum) or revisions do not apply to this Standard, however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 191, *Packaging and storage marks* (GB/T 191-2008, ISO 780:1997, MOD)

QB/T 3558-1999, *Machine Blown Glass Tumblers*

QB/T 3559-1999, *Machine Pressed Glass Tumblers*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 jelly candle

the candle that using white oil and high molecular polymers as the main raw materials, it is made into a jelly-like shape with or without a container

4 Requirements

4.1 Performance indicators

The performance indicators of jelly candle shall meet the requirements of Table 1.

requirements. The final test result is the average of the test results of 4 candles.

5.4 Thermal stability

5.4.1 Instruments

Constant temperature incubator: accuracy is $\pm 1^{\circ}\text{C}$.

5.4.2 Test steps

Take 4 samples. Place them flat in a thermostat at $35^{\circ}\text{C}\pm 1^{\circ}\text{C}$. Maintain 24h. Take out and recover to room temperature. Observe for discoloration and deformation.

5.5 Light stability

5.5.1 Instruments

- a) Light stability test box: A closed UV light box with heat dissipation device;
- b) Ultraviolet lamp: wavelength 365nm, illuminance $500\mu\text{W}/\text{cm}^2 \sim 600\mu\text{W}/\text{cm}^2$.

5.5.2 Test steps

Take 4 samples. Lay flat in the light stability test box, 200mm away from the UV lamp directly below. Maintain 48h. Take out and observe for discoloration.

5.6 Product placement stability

Take 4 samples. Put one by one on an inclined plane of 10° . Observe whether there is any overturning phenomenon at any placement angle.

5.7 Combustion performance

Take 4 samples. At room temperature $15^{\circ}\text{C}\sim 25^{\circ}\text{C}$, without strong air convection, light the candle for 15 minutes and observe its burning situation, until it is completely extinguished. Use a steel ruler to measure the flame height. Take the maximum of the test results among the 4 candles as the final test result.

5.8 Safety

Visually inspect the whole process of 5.7 and observe whether the container is broken.

5.9 Burning afterglow

Take 4 samples. At room temperature $15^{\circ}\text{C}\sim 25^{\circ}\text{C}$, without strong air convection, ignite for 30min. Put out the candle. Measure the time from extinguishing the

Take 5 sales packages from each batch of products. After passing the inspection by the exit-factory inspection department, the product qualification certificate can be attached.

6.2 Determination rules

If the inspection result does not meet the requirements of this Standard, double sampling can be carried out from the same batch of products for re-inspection. For rejected items, the results of the re-inspection shall prevail.

7 Marks, packaging, transportation, storage

7.1 Marks

Product sales packaging and transportation packaging should be in accordance with the provisions of GB/T 191.

7.1.1 The following marks shall be on the sales package:

- a) Product name, trademark;
- b) Name and address of the manufacturer;
- c) Implemented product standard number;
- d) Production date and shelf life;
- e) Special circumstances can be based on customer requirements;
- f) Corresponding warning signs.

7.1.2 The transportation package shall have the following marks:

- a) Product name and trademark;
- b) Name and address of the production plant;
- c) Packing quantity, gross weight, net weight, color;
- d) Date of manufacture;
- e) Packing box specification;
- f) Signs of upward, fear of rain, fear of the sun and so on shall meet the requirements of GB/T 191;
- g) Special circumstances can be based on customer requirements.

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