



exact dimension when manufacturing

The exact dimension of gold flakes used in drinks like Goldwasser comes from how edible gold leaf is manufactured:

- **Thickness:** About 0.1 micrometers (0.0001 mm). This ultra-thin measurement is achieved by hammering the gold until it becomes almost transparent. ^[1] ^[2]
- **Original sheet size:** The gold is typically flattened into sheets measuring around 80×80mm (3.15×3.15 inches) before being cut or broken into small flakes.
- **Flake size in drink:** The flakes are irregular fragments, but they are generally a few millimeters across, given their origin from these sheets.

Reason for these dimensions:

- The exceptionally thin, lightweight gold allows the flakes to float and shimmer in liquid, providing visual appeal.
- Thinness ensures the gold is digestible with no effect on flavor, texture, or safety since it passes safely through the human body.

These specifications are carefully controlled during manufacturing to guarantee both the decorative effect and the edible safety of the gold flakes in products like Goldwasser. ^[2] ^[1]



1. <https://foodmeetsscience.com/2023/08/28/edible-gold-a-luxury-food-trend/>

2. https://en.wikipedia.org/wiki/Edible_gold