

# Filling Accuracy Checklist

Quick Self-Check for Tube Filling Applications

## Filling Accuracy Self-Check

### 1. Product Behavior

Question	Yes	No / Not Sure
Is product viscosity stable during production?	<input type="checkbox"/>	<input type="checkbox"/>
Does temperature affect product flow?	<input type="checkbox"/>	<input type="checkbox"/>
Does the product change over time (settling, thickening)?	<input type="checkbox"/>	<input type="checkbox"/>

### 2. Foaming & Air

Question	Yes	No / Not Sure
Does the product foam during mixing or filling?	<input type="checkbox"/>	<input type="checkbox"/>
Are air bubbles visible after filling?	<input type="checkbox"/>	<input type="checkbox"/>
Is air introduced during the filling process?	<input type="checkbox"/>	<input type="checkbox"/>

### 3. Filling System Matching

Question	Yes	No / Not Sure
Is the filling system matched to product viscosity?	<input type="checkbox"/>	<input type="checkbox"/>
Is anti-drip or suck-back function required?	<input type="checkbox"/>	<input type="checkbox"/>
Has this system been tested with similar products?	<input type="checkbox"/>	<input type="checkbox"/>

### 4. Temperature & Process Conditions

Question	Yes	No / Not Sure
Is temperature controlled during filling (if needed)?	<input type="checkbox"/>	<input type="checkbox"/>
Are process conditions stable during operation?	<input type="checkbox"/>	<input type="checkbox"/>

## 5. Nozzle & Filling Method

Question	Yes	No / Not Sure
Is nozzle position correctly aligned?	<input type="checkbox"/>	<input type="checkbox"/>
Is bottom-up filling used when necessary?	<input type="checkbox"/>	<input type="checkbox"/>
Is filling synchronized with nozzle movement?	<input type="checkbox"/>	<input type="checkbox"/>

## 6. Continuous Operation Stability

Question	Yes	No / Not Sure
Has filling been tested under continuous operation?	<input type="checkbox"/>	<input type="checkbox"/>
Does performance remain stable over time?	<input type="checkbox"/>	<input type="checkbox"/>
Do different batches produce consistent results?	<input type="checkbox"/>	<input type="checkbox"/>

### How to Interpret Your Results

- Mostly “Yes” → Low risk
- Several “Not Sure” → Further verification recommended
- Multiple “No” → High risk of filling inconsistency

### What Happens If Filling Accuracy Is Not Verified

- Filling becomes inconsistent during long runs
- Dripping appears after multiple cycles
- Air bubbles increase under higher production speed
- Product behavior changes during operation

### Don't Rely on Assumptions — Test Before You Decide

Even similar tubes can behave differently in real production.

Send your tube samples for evaluation

We will help you:

- Check sealing performance
- Identify feeding risks
- Recommend a suitable configuration

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