



NQAC

Nestlé Quality Assurance Center  
Dublin

# Technical Datasheet

**Analysis Name:** Olfactory Check of Packaging Material

**Method Number:** LI-80.017

**Scope of Application:** The olfactory check - also called "sniff test" and "odor test" - applies to the detection of any odour released from packaging materials, for example paper, cardboard and plastic materials, flexible and rigid. The method can be used for testing premiums and auxiliary items (e.g. toys, gadgets, measuring spoons).

**Description:** A trained packaging sensory panel evaluates the odor released on a scale from 0 (no perceptible odor) to 4 (strong odor), in comparison to a reference. The limit of acceptability is a median score <2.5. Any material with a median score equal or greater than 2.5 is considered to be of doubtful quality.

**Sample Weight Required:** Flexible, laminated, single or multilayered materials:  
*Minimum:* 6 dm<sup>2</sup> (600 cm<sup>2</sup>). This roughly corresponds to a 10 x 10-inch piece.  
*Maximum:* 10 ft.

Rigid materials:  
*Minimum:* 25 g  
*Maximum:* 200 g

**Method Reference:** ISO 13302, Sensory analysis — Methods for assessing modifications to the flavour of foodstuffs due to packaging

EN 1230:1:2007, Paper and board intended to come into contact with foodstuffs

**Analytical Platform:** Sensory Panel

**Special Information:** Each packaging analysis selected must have separate original packaging wrapped in multiple layers of foil to prevent contamination and loss of volatiles. If not possible, please contact Customer Service for options.



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Sensory panel testing is conducted on a different timeline than analytical testing, so you may experience delays if only 1 sample portion is shared between packaging tests.

<b>Analyte Reported</b>	<b>Alias</b>	<b>Unit of Measure</b>	<b>Limit of Quantification</b>	<b>Reproducibility</b>
Odor - Median Score	Sniff	N/A	N/A	N/A