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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 dm² (600 cm²). 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: If requesting multiple packaging tests, please send a separate sample portion specifically for Olfactory Check. Sensory panel testing is conducted on a different timeline than analytical



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testing, so you may experience delays if only 1 sample portion is shared between all tests.

All packaging material should be received wrapped in two layers of aluminum foil to prevent both loss of analyte and external contamination.

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