

Company **Endress+Hauser SE+Co. KG, Hauptstrasse 1, 79689 Maulburg**

being the manufacturer, declares that the “process-contact parts“ of the product

Micropilot

FMR52

Material group	Material	Order codes	Process-contact parts
Polymer	PTFE ¹⁾ (plating)	070: BO, BP	Antenna
		100: ***	Process connection

are in conformity with following European Regulations:

Regulations Regulation (EC) No. 1935/2004, on materials and articles intended to come into contact with food.
Regulation (EC) No. 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food.

¹⁾ PTFE:

Regulation (EU) 10/2011 on plastic materials and articles intended to come into contact with food.

The measured values are based on the following surface-to-volume ratio (S/V):

Standard S/V 6 dm² / 1 kg food (EU cube)

- Overall Migration Test:

Test conditions:

Simulant	Temperature	Time
10 % ethanol	100 °C	2 h
4 % acetic acid	100 °C	2 h
Olive oil	175 °C	2 h

Test Results:

Simulant	Limit	Result
10 % ethanol	10 mg/dm ²	passed
	60 mg/kg food	passed
4 % acetic acid	10 mg/dm ²	passed
	60 mg/kg food	passed
Olive oil	10 mg/dm ²	passed
	60 mg/kg food	passed

- Specific Migration Test:

Test conditions:

Simulant	Temperature	Time
95 % ethanol	60 °C	6 h

Test Results:

Two substances with restrictions set out in Annex I (Regulation (EU) 10/2011) are used in production of this polymer. The SML (Specific Migration Limit) for the substances is set to 0.05 mg/kg food and the substances were not detectable in the analysis.

The identity of these substances was only disclosed for testing purposes under a signed non-disclosure agreement to the laboratory commissioned to perform the analysis.

- Sensory Tests
No sensory tests were performed on the product with food simulants. It is recommended that the operator performs sensory tests with the applicable food or food simulant.
- Non-intentionally added substances (NIAS):
To the best of our knowledge, no NIAS are present in the product. Furthermore, our evaluation shows no production processes that add or yield not regulated substances or NIAS in a relevant and/or harmful amount. However, we cannot rule out the presence of NIAS in principle.
- According to the raw material manufacturer, no dual-use additives according to regulation (EC) No 1333/2008 and (EC) No 1334/2008 are used during polymerization or in any step of production.
- Functional barrier:
The material is not a multilayer material and therefore does not contain a functional barrier.

Maulburg, 2026-05-18
Endress+Hauser SE+Co. KG

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