

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

being the manufacturer, declares that the “process-wetted parts“ of the products

Product **Micropilot**
FMR20B and FMR30B

Material group	Material	Order codes	Process-wetted parts
Plastics	PVDF	070: BM, BN	Antenna

are suitable for direct contact with food and in conformity with following regulations:

Regulations GB 4806.1-2016: General Safety Requirements for Food Contact Materials and Articles
 GB 4806.7-2023: Plastic Materials and Products for Food Contact
 GB 31603-2015: General Hygienic Specifications for Production of Food Contact Materials and Articles
 GB 31604.1-2023: General Rules for Migration Test of Food Contact Materials and Products

Plastic material: PVDF

- Overall migration test:

Test conditions:

Simulant	Temperature	Time
10 % ethanol	60 °C	10 days
95% ethanol	60 °C	10 days
Iso-octane	20° C	10 days
Iso-octane	60° C	4 h
4 % acetic acid	60 °C	10 days

Test results:

Simulant	Limit	Result
10 % ethanol	10 mg/dm ²	passed
	60 mg/kg food	passed
95 % ethanol	10 mg/dm ²	passed
	60 mg/kg food	passed
Iso-octane 20°C / 10 d	10 mg/dm ²	passed
	60 mg/kg food	passed

Iso-octane 60°C / 4 h	10 mg/dm ²	passed
	60 mg/kg food	passed
4 % acetic acid	10 mg/dm ²	passed
	60 mg/kg food	passed

No lead (Pb) was detected after migration in 4% acetic acid for 2h at 60°C

- Specific migration test:

Test conditions:

Simulant	Temperature	Time
95 % ethanol	60 °C	10 d

Test results:

None of the specifically analysed substances were detectable above the respective specific migration limits.

No primary aromatic amines were detected after migration in 95% ethanol.

- Consumption of potassium permanganate
No significant consumption of potassium permanganate was detected.
- Sensory Tests
The polymer material may influence the taste of the food material. It is recommended to the operator to perform 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.

Additional information:

The product must be cleaned before use, as appropriate for the application. This declaration of conformity emphasizes that the customer is obliged to test the product regarding its suitability in the application. This declaration of conformity is exclusively valid for the listed products as supplied to customer and without any further modification. Since the conditions of use are beyond Endress+Hauser's control, Endress+Hauser makes no warranties, expressed or implied, and assumes no liability in connection with any use of this declaration.

This declaration of compliance refers to the compliance of the mentioned materials with the listed regulations. No further suitability of the products for a specific purpose shall be derived from this.

Declaration of Compliance

Maulburg, 2025-03-10
Endress+Hauser SE+Co. KG

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