

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

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

**Product** Cerabar  
 PMP43

Material group	Material	Order codes	Process-wetted parts
Metals	316L <sup>1)</sup>	105: **	Process connection
		110: ***	
	170: A	Membrane	
	Alloy C276 <sup>1)</sup>	170: B	
Rubber	EPDM <sup>2)</sup>	110: 45J, 50J, 5RJ	Gasket
	Silicone <sup>2)</sup>	110: 52J 620: S*, PJ	
	Silicone <sup>2)</sup> + EPDM <sup>2)</sup>	620: PF, PH	

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 4806.9-2023: Metal Materials & Articles Used in Food Contact  
 GB 4806.11-2023: Rubber 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

<sup>1)</sup> Metals:

The parts are suitable for repeated use under the conditions represented by following test conditions:

- Sensory Tests  
 Sensory test according to the requirements of GB4806.9-2016 was performed and passed.
- Physicochemical Index:  
 Test conditions

Simulant	Conditions
4% acetic acid	Boiled for 30min, then put at room temperature for 24h

Test Results:

None of the analysed heavy metals were detectable above the respective limits.

<sup>2)</sup> Elastomers:

The parts are suitable for repeated use under the conditions represented by following test conditions:

- Overall Migration Test:

Test conditions:

Simulant	Temperature / Time
10 % ethanol	100 °C / 15 min + 40 °C / 10 d
4 % acetic acid	100 °C / 15 min + 40 °C / 10 d
50 % ethanol	100 °C / 15 min + 40 °C / 10 d

Test Results:

Simulant	Limit	Result
10 % ethanol	10 mg/dm <sup>2</sup>	passed
	60 mg/kg food	passed
4 % acetic acid	10 mg/dm <sup>2</sup>	passed
	60 mg/kg food	passed
50 % ethanol	10 mg/dm <sup>2</sup>	passed
	60 mg/kg food	passed

- Specific Migration Test:

Test conditions:

Simulant	Temperature / Time
4 % acetic acid	60 °C / 30 min
95 % ethanol	60 °C / 2.5 h + 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 10% ethanol.

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

- Consumption of potassium permanganate  
No significant consumption of potassium permanganate was detected.

- Sensory Tests  
The elastomer materials 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.

Maulburg, 2025-02-11  
Endress+Hauser SE+Co. KG

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i.V. Lars Kretschmer  
Dept. Manager R&D Devices Pressure

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i.V. Stefan Jäger  
Dept. Manager R&D Quality Management/FSM

