Declaration of Compliance

Endress+Hauser
People for Process Automation

Company **Endress+Hauser Flowtec AG, Christoph Merian – Ring 4, 4153 Reinach, Switzerland**

being the manufacturer, declares that the following materials used in

Product **Promag H and Dosimag**

Promag 10/50/53/55 H, Dosimag 5H****

Material Group	**Material**	**Product contact part**	**Applicable to order code options**
Plastic	PFA	Liner	All
Metal	1.4435/316L	Electrodes	Feature 030: Options: 0, G, 3
Metal	Alloy C-22	Electrodes	Feature 030: Options: 1, 4
Metal	1.4404/316L	Process connections	Feature 010: Options: A, B, U, V, W, Q, T, 0, 1, 2, 3, 4, 5, 6, 8
Elastomer	VMQ (Silicone)	Gasket	Feature 020: Option: 0, H*

Promag H 10/100/300/500, Dosimag D5AB, OD5AB

Material Group	**Material**	**Product contact part**	**Applicable to order code options**
Plastic	PFA	Liner	All
Metal	1.4435/316L	Electrodes	Feature 075: Options: 0, G
Metal	Alloy C-22	Electrodes	Feature 075: Options: 1
Metal	1.4404/316L	Process connections	Feature 070: Options: 000, AAS, DAS, DBS, DCS, DDS, DES, FAS, IAS, IBS, ICS, SAS, FEW, FNW
Elastomer	VMQ (Silicone)	Gasket	Feature 060: Option: 0, H*

Spare parts:

Product	Promag H/Dosimag, Seal Set, **DK5G**-;**		
Material Group	**Material**	**Product contact part**	**Applicable to order code options**
Elastomer	VMQ (silicone)	Gasket	**Feature 030:** Option: DA, DB*

Product	Promag H, Mounting Set, **DKH**-;**		
Material Group	**Material**	**Product contact part**	**Applicable to order code options**
Metal	1.4404/316L	Process connection	**Feature 010:** Option: HA, HB, HC, HD, HE, HF, HG, HH, HJ, HK, HL, HM, HN, HP
N/A	N/A	Gasket	**Feature 020:** Option: 8
Elastomer	VMQ (Silicone)	Gasket	**Feature 020:** Option: H*

are in conformity with following Chinese Regulations where applicable:

* For further seal options applicable to order code options please refer to Annex II.

Regulations

GB 4806.1-2016	General Safety Requirements for Food Contact Materials and Products
GB 9685-2016	Standard for Uses of Additives in Food Contact Materials and Articles
GB 4806.9-2023	Food Contact Metal Materials and Products
GB 4806.7-2023	Food Contact Plastic Materials and Products
GB 4806.11-2023	Food Contact Rubber Materials and Articles

Traceability of product in accordance with Regulation GB 31603-2015 is assured by means of serial number on sensor.

Conditions

For use in accordance with product specifications.

Specifications for intended use or limitations:

The material is suitable for the use in applications with the following types of food:

All kinds of food (Aqueous, acidic, alcoholic, lacteal, fatty and oily food)

Duration and temperature of treatment and storage for contact with food:

Repeated use: T_M = ≤ 150 °C, ≤1 h

Relation of surface in contact with food and volume, the conformity of the material or articles is based upon:

For each component different. Consideration of whole product range.

Simulants and test conditions: see Annex for details.

The PFA resin used in the above named devices fulfill the specification given in GB 4806.6 Appendix A for the category PFA:
Perfluoropropylvinylether: SML/QM = 0,05 mg/kg
Tetrafluoroethylene: SML/QM = 0,05 mg/kg

No Primary aromatic amines were detected after migration.

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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.

This is to emphasize that the customer is obliged to verify the suitability of our products with regard to the intended application. This declaration of conformity is only valid for standard products in their delivery status produced before December 31st, 2027

Reinach, 01.08.2025
Endress+Hauser Flowtec AG

Dr. M. Lehmann
(Geschäftsführer/Managing Director)

ppa. Dr. Chr. Jarms
(Head of Division QM)

Annex I:

Physicochemical index – PFA 全氟烷氧基聚合物

Test	Limit	Assessment	Test requirement source	Methods and conditions for verifying compliance
Overall migration, mg/dm²				
4%(v/v) acetic acid, 100°C, 4h	≤10	Pass	GB 4806.7-2023	Test method GB 31604.8-2016
10%(v/v) ethanol, reflux temperature, 4h	≤10	Pass		
95%(v/v) ethanol 60°C, 3h	≤10	Pass		
Isooctane, 60°C, 4d	≤10	Pass		
Quantity of $KMnO_4$ consumed, mg/kg				
Distilled water, 60°C, 2h	≤10	Pass	GB 4806.7-2023	Test method GB 31604.2-2016
Heavy metal (as Pb), mg/kg				
4% (v/v) acetic acid, 60°C, 2h	≤1	Pass	GB 4806.7-2023	Test method GB 31604.9-2016
Decolor test				
Scrubbed by vegetable oil	Negative	Pass	GB 4806.7-2023	Test method GB 31604.7-2016
Scrubbed by ethanol	Negative	Pass		
Immersed solution	Negative	Pass		

Physicochemical index – Stainless Steel 1.4435/316L; 1.4404/316L 不锈钢

Test	Limit mg/kg	Assessment	Test requirement source	Methods and conditions for verifying compliance
Migration of heavy metals			GB 4806.9-2023	Test method GB 31604.49-2023 4% (v/v) acetic acid boiled for 30 min, then room temperature for 24h.
Arsenic (As)	≤0.04	Pass		
Cadmium (Cd)	≤0.02	Pass		
Lead (Pb)	≤0.05	Pass		
Chromium (Cr)	≤2.0	Pass		
Nickel (Ni)	≤0.5	Pass		

Physicochemical index – Alloy C-22 哈氏合金C22

Test	Limit mg/kg	Assessment	Test requirement source	Methods and conditions for verifying compliance
Migration of heavy metals				
Arsenic (As)	≤0.04	Pass	GB 4806.9-2023	Test method GB 31604.49-2023 2nd part, 2nd method 5g/L citric acid boiling temperature, 2h
Cadmium (Cd)	≤0.02	Pass		
Lead (Pb)	≤0.2	Pass		
Migration of heavy metals				
Arsenic (As)	≤0.04	Pass	GB 4806.9-2023	Test method GB 31604.49-2023 2nd part, 2nd method Artificial tap water, boiling temperature, 2h
Cadmium (Cd)	≤0.02	Pass		
Lead (Pb)	≤0.2	Pass		

Annex II:

Gaskets

Gaskets supplied with the product are supplied by 3rd party.
In lack of a Declaration of Compliance from supplier, Endress+Hauser Flowtec AG has carried out migration tests for these parts according to following conditions.

EPDM 三元乙丙橡胶

Promag 10/50/53/55H, Dosimag 5*H; Feature: 020; Option: F

Promag H 10/100/300/500, Dosimag D5AB, OD5AB; Feature: 060; Option: F

Physicochemical index

Test	Limit mg/kg	Assessment	Test requirement source	Methods and conditions for verifying compliance
Overall migration, mg/dm2				
4% (v/v) acetic acid, reflux, 100 °C, 4h	≤10	Pass	GB 4806.11-2023	Test method GB 31604.8-2021
10% (v/v) ethanol, reflux temp., 4h	≤10	Pass		
50% (v/v) ethanol reflux temp., 4h	≤10	Pass		
Quantity of KMnO4 consumed, mg/kg				
Distilled water, 60°C, 0.5h	≤10	Pass	GB 4806.11-2023	Test method GB 31604.2-2016
Heavy metal (as Pb), mg/kg				
4% (v/v) acetic acid, 60°C, 0.5h	≤1	Pass	GB 4806.11-2023	Test method GB 31604.9-2016

FKM 氟橡胶

Promag 10/50/53/55H, Dosimag 5*H; Feature: 020; Option: G

Promag H 10/100/300/500, Dosimag D5AB, OD5AB; Feature: 060; Option: G

Physicochemical index

Test	Limit mg/kg	Assessment	Test requirement source	Methods and conditions for verifying compliance
Overall migration, mg/dm2				
4% (v/v) acetic acid, 100 °C, 0.5h	≤10	Pass	GB 4806.11-2023	Test method GB 31604.8-2021
10% (v/v) ethanol, reflux temp., 4h	≤10	Pass		
50% (v/v) ethanol reflux temp., 4h	≤10	Pass		
Quantity of KMnO4 consumed, mg/kg				
Distilled water, 60°C, 0.5h	≤10	Pass	GB 4806.11-2023	Test method GB 31604.2-2016
Heavy metal (as Pb), mg/kg				
4% (v/v) acetic acid, 60°C, 0.5h	≤1	Pass	GB 4806.11-2023	Test method GB 31604.9-2016

VMQ (Silicone) 乙烯基甲基硅橡胶

Promag 10/50/53/55H, Dosimag 5*H; Feature: 020; Option: H

Promag H 10/100/300/500, Dosimag D5AB, OD5AB; Feature: 060; Option: H

Physicochemical index

Test	Limit mg/kg	Assessment	Test requirement source	Methods and conditions for verifying compliance
Overall migration, mg/dm2				
4% (v/v) acetic acid, 100 °C, 4h	≤10	Pass	GB 4806.11-2023	Test method GB 31604.8-2021
10% (v/v) ethanol, reflux temp., 4h	≤10	Pass		
50% (v/v) ethanol reflux temp., 4h	≤10	Pass		
Quantity of KMnO4 consumed, mg/kg				
Distilled water, 60°C, 0.5h	≤10	Pass	GB 4806.11-2023	Test method GB 31604.2-2016
Heavy metal (as Pb), mg/kg				
4% (v/v) acetic acid, 60°C, 0.5h	≤1	Pass	GB 4806.11-2023	Test method GB 31604.9-2016