

# Konformitätserklärung Declaration of Compliance

**Company** Endress+Hauser Flowtec AG, Kaegenstrasse 7, 4153 Reinach BL1, Switzerland

being the manufacturer, declares that the following materials used in

**Product** Teqwave H

product	Teqwave H, D9HB**-; OD9HB**-		
product contact part	material group	material	applicable to order code options
sensor tube	metal	1.4404/316L	feature 060: option: AB
seal	elastomer	VMQ (silicone)	feature 065*: option: H
process connection	metal	1.4404/316L	feature 070: option: AA, DA, DB, DC, DD, DE, FA, HB, IA, IB, SA

## Spare parts

product	Teqwave H, Mounting and Seal Set, DK9H**-		
product contact part	material group	material	applicable to order code options
process connection	metal	1.4404/316L <sup>1)</sup>	feature 020: option: AA, DA, DB, DC, DD, DE, FA, HB, IA, IB, SA
seal	elastomer	VMQ (silicone) <sup>3)</sup>	feature 030*: option: H

are in conformity with following Chinese Regulations where applicable:

**Regulations** Products comply with GB 4806.1-2016 "National Food Safety Standard: General Safety Requirements for Food Contact Materials and Products", GB 9685-2016 "National Food Safety Standard: Standard for Uses of Additives in Food Contact Materials and Articles", GB 4806.9 "National Food Safety Standard: Food Contact Metal Materials and Products" for the relevant requirements of this product and GB 4806.11 "National Food Safety Standard: Food Contact Rubber Materials and Products" for above mentioned material option.

\* For further seal options applicable to order code options below please refer to Annex II:

**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:  $T_M = 120\text{ °C}$

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.

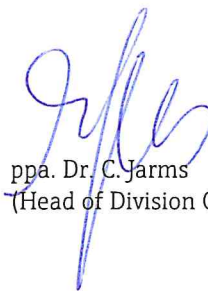
Traceability of product in accordance with Regulation GB 31603-2015 is assured by means of serial number on sensor.

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, 2025.

Reinach, 01.11.2023  
Endress+Hauser Flowtec AG



Dr. M. Lehmann  
(Managing Director)



ppa. Dr. C. Jarms  
(Head of Division Quality Management)

Annex I:

Physicochemical index – 1.4404/316L

Test	Limit mg/kg	Assessment	Test requirement source	Methods and conditions for verifying compliance
<b>Migration of heavy metals</b>			GB 4806.9-2016	Test method GB 31604.49-2016  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 - VMQ (silicone)

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

## Annex II:

### Seals

Seals supplied with the product are supplied by 3<sup>rd</sup> party.

In lack of a Declaration of Compliance from supplier for EPDM, Endress+Hauser Flowtec AG had carried out migration tests for these parts according to following conditions.

### Material: EPDM

Teqwave H; Feature: 065; Option: F

Spare Part Seal, Feature 030: Option: F

### Physicochemical index

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