

## CN Food Contact Material GB 4806 Declaration of Compliance

**Company** Endress+Hauser Conducta GmbH+Co. KG  
Dieselstraße 24, 70839 Gerlingen, Germany

as a manufacturer of products for liquid analysis declares, that the product

**Product** **Indumax CLS54**  
**Indumax CLS54D**  
**Smartec CLD134**

**Regulations** We declare that the above named product conforms to following Chinese National Food Safety Standards as listed below and is therefore **suitable for food contact**:

- GB 4806.1-2016 General safety requirements for food contact materials and products
  - GB 31603-2015 General hygienic specifications for production of food contact materials and articles
  - GB 9685-2016 Standard for uses of additives in food contact materials and their products
  - GB 4806.7-2023 Plastic materials and articles in contact with food
- Traceability of product in accordance with regulation GB 31603-2015 is assured by means of serial number on sensor.

The following process contact parts are used:

Process contact part	Extended order code	Material group	Material
	CLS54-*****		
	CLS54D-*****		
Sensor housing	CLD134-*****	Plastic	PEEK

**Conditions of intended use** For use in accordance with product specifications.  
Specification for intended use or limitations:

- kinds of food: aqueous, acidic, alcoholic, lacteal, fatty and oily food,
- repeated use,
- conditions of use: high temperature applications at T > 121 °C,
- tested ratio of food contact surface to food mass of 6 dm<sup>2</sup>/kg.

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Further information

Plastic:

*PEEK, Polyether ether ketone, 聚醚醚酮*

Test	Limit	Assessment	Method and conditions of verifying compliance
<b>Overall migration [mg/dm<sup>2</sup>]</b>			
Acetic acid 4 % 100 °C, 4 h	≤ 10	Pass	GB 31604.8-2021
Ethanol 10 % 100 °C, 4 h	≤ 10	Pass	GB 31604.8-2021
Ethanol 95 % 60 °C, 4 h	≤ 10	Pass	GB 31604.8-2021
Isooctane 60 °C, 4 h	≤ 10	Pass	GB 31604.8-2021
<b>Other [mg/kg]</b>			
<i>KMNO<sub>4</sub> consumption</i>			
Water 60 °C, 2 h	≤ 10	Pass	GB 31604.2-2016
<i>Heavy metal migration (as Pb)</i>			
Acetic acid 4 % 60 °C, 2 h	≤ 1	Pass	GB 31604.9-2016
<i>Migration of primary aromatic amines</i>			
	N. D.	Pass	GB 31604.52-2021
Acetic acid 4 % 100 °C, 6 h			
Ethanol 10 % 100 °C, 6 h			
Ethanol 95 % 60 °C, 6 h			
Isooctane 60 °C, 4 h			
<i>Migration of 4,4 - Difluorobenzophenone</i>			
	≤ 0.05	Pass	GB 31604.57-2023
Acetic acid 4 % 100 °C, 6 h			
Ethanol 10 % 100 °C, 6 h			
Ethanol 95 % 60 °C, 6 h			
Olive oil 100 °C, 4 h			
<i>Migration of Hydroquinone</i>			
	≤ 0.6	Pass	HPLC
Acetic acid 4 % 100 °C, 6 h			
Ethanol 10 % 100 °C, 6 h			
Ethanol 95 % 60 °C, 6 h			
Isooctane 60 °C, 4 h			

N. D.: Not detected

The sensory tests for PEEK according to GB 4806.7-2023 Table 1 have been passed.

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**Additional information**      Non-intentionally added substances (NIAS):  
To the best of our knowledge, no non-intentionally added substances (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.

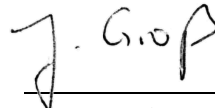
**Remarks**                      The product has to be cleaned before use.

This declaration of compliance is to emphasize that the customer is obliged to test the product with regard to its suitability in the application. This declaration of compliance is only valid for the listed product as supplied to customer.

For technical special products (TSP, model designation with modification no.) a declaration of compliance is available upon additional request.

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Dieselstraße 24, 70839 Gerlingen, Germany

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