

GB 4806 Declaration of Compliance

We: Yokogawa Electric Corporation
2-9-32 Nakacho, Musashino-shi, Tokyo, 180-8750 Japan

declare that the materials intended to come into contact with food used in the following products comply with the requirements of China GB 4806 Food Contact Material Regulations.

Model code ^{*1}	Model name
AXG###	Magnetic Flowmeter
CA####	Magnetic Flowmeter

***1:** This GB 4806 declaration of conformity applies to products with the following model, suffix, and option codes:

Model –Suffix and / Option code structure:

AXG#### –b c ddd eee f g h i j k -l mm n o /x

Size: #### = 002, 005, 010, 015, 025, 032, 040, 050, 065, 080, 100, 125, 150, 200, 250, 300, 350, 400, and 500

Use: –b = -G, -C, -H or -J

CA#### –b c ddd eee f g h i j k -l mm n o /x

Size: #### = 0015, 0025, 0040, 0050, 0080, 0100, 0150, 0200

Information relevant to the conformity and identification of these Products is provided in bellow.

Parts and materials used in the products

Part	Material Group	Condition of Model – Suffix and Option code	Material
Lining	Plastic	Lining: f = A	PFA
	Ceramics	Lining: f = C	Ceramics
Gasket	Plastic	Lining: f = C Option Code: /BSF, /GF	PTFE
	Rubber	Excluding option code: /GH, /W2	EPDM
		Option Code: /GH, /W2	Silicon rubber
		Option Code: /GC, /GD,	Fluororubber
Joint Adapter	Metal	Use: -b=-H, -J	Stainless steel F304, F316L

Ferrule	Metal	Option Code: /W2	Stainless Steel 316L
Electrode	Metal	Electrode: g=L	Stainless Steel 316L
		Electrode: g=H	Nickel Alloy
		Electrode: g=V	Titanium
		Electrode: g=E	Platinum-alumina Cermet
Grounding Device	Metal	Option Code: /GRL, /GRN, /GAN	Stainless Steel 316L
		Option Code: /GRH, /GRJ	Nickel Alloy
		Option Code: /GRV, /GRW	Titanium

Applicable regulations

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 Products.

GB 4806.4-2016 National Food Safety Standard: Ceramic Products.

GB 4806.7-2023 National Food Safety Standard: Food Contact Plastic Materials and Products.

GB 4806.9-2016 National Food Safety Standard: Food Contact Metal Materials and Products.

GB 4806.11-2016 National Food Safety Standard: Food Contact Rubber Materials and Products.

GB 4806.11-2023 National Food Safety Standard: Food Contact Rubber Materials and Products.

GB 4806.10-2025 National Food Safety Standard: Paints and Coatings for Food Contact Materials and Products.

GB 31603-2015 National Food Safety Standard: General Hygiene Regulations for the Production of Food Contact Materials and Products.

* For more detailed information on compliance with GB regulations, including a list of restricted substances and their restrictions and total migration compliance, please refer to Annex I to IV

Conditions :

The material is suitable for the use 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:

AXG### Repeated use: TM = 180°C

CA#### Repeated use: TM = 120°C

TM indicates the maximum operating temperature for the product series. The operating temperature for each specific product model is subject to the product specifications.

We are fully aware of our legal obligations under the above-mentioned Regulation and we will comply with them.

The customer himself is obliged to verify the products with regard to their suitability in the application. This declaration applies to the product listed in the delivery conditions. This declaration is valid only for standard products manufactured on or before 19 August 2028.

Tokyo, 20 August 2026

Signature:

A handwritten signature in black ink, appearing to read 'Soichiro Katsushima', with a horizontal line drawn through the middle of the signature.

.....
Soichiro Katsushima
General Manager
Flowmeter Marketing Department
Marketing Division
Sensing Center
Yokogawa Products HQ
Yokogawa Electric Corporation

Annex I : Plastic

Sensory requirements - PFA

Test	Limit	Comment	Test requirement source
Sensory			
Sense: Surface smooth and uniform, no stomata; after immersing, no crack, no foaming, no shedding phenomenon	Comply with the requirement	Pass	GB4806.7 - 2023
Immersion solution: the immersion solution that got from the migration test should not have sensory deterioration such as color, turbidity, sedimentation or odor	Comply with the requirement	Pass	

Physicochemical index – PFA

Test	Limit	Comment	Test requirement source	Methods and conditions for verifying compliance
Decolor test				
Immersion solution	Negative	Pass	GB 4806.7 - 2023	GB 31604.7- 2023
Wipe test	Negative	Pass		
Overall migration, mg/dm ²				
4% acetic acid(v/v) 100℃, 2h	≤10	Pass	GB 4806.7 - 2023	GB 31604.8 - 2021
10% acetic acid(v/v) 100℃, 2h	≤10	Pass		
95% ethanol(Vegetable oil substitute) 60℃, 3.5h	≤10	Pass		
Iso-octane(Vegetable oil substitute) 60℃, 1.5h	≤10	Pass		

Physicochemical index – PFA

Quantity of KMnO_4 consumed, mg/kg				
Distilled water 60°C, 2h	≤10	Pass	GB 4806.7 - 2023	GB 31604.2 - 2016
Heavy metal (as Pb), mg/kg				
4% acetic acid(v/v) 60°C, 2h	≤1	Pass	GB 4806.7 - 2023	GB 31604.9 – 2016 method I
Total migration of Primary Aromatic Amines(PAA), mg/kg				
4% acetic acid(V/V) 100°C, 2h	Absent (DL=0.01 mg/kg)	Pass	GB 4806.7 - 2023	GB 31604.52-2021
10% acetic acid(V/V) 100°C, 2h	Absent (DL=0.01 mg/kg)	Pass		
95% acetic acid(Vegetable oil substitute) 60°C, 3.5h	Absent (DL=0.01 mg/kg)	Pass		
Iso-octane(Vegetable oil substitute) 60°C, 1.5h	Absent (DL=0.01 mg/kg)	Pass		

Sensory requirements - PTFE used in Gasket

Test	Limit	Comment	Test requirement source
Sensory			
Sense: Surface smooth and uniform, no stomata; after immersing, no crack, no foaming, no shedding phenomenon	Comply with the requirement	Pass	GB4806.7 - 2023
Immersion solution: the immersion solution that got from the migration test should not have sensory deterioration such as color, turbidity, sedimentation or odor	Comply with the requirement	Pass	

Physicochemical index – PTFE used in Gasket

Test	Limit	Comment	Test requirement source	Methods and conditions for verifying compliance
Decolor test				
The color of absorbent cotton(Absolute ethyl alcohol)	Negative	Pass	GB 4806.7 - 2023	GB 31604.7- 2023
The color of absorbent cotton(Vegetable oil)	Negative	Pass		
Overall migration, mg/dm ²				
4% acetic acid(v/v) 100℃, 2h	≤10	Pass	GB 4806.7 - 2023	GB 31604.8 - 2021
10% acetic acid(v/v) 100℃, 2h	≤10	Pass		
95% ethanol(Vegetable oil substitute) 60℃, 3.5h	≤10	Pass		

Iso-octane(Vegetable oil substitute) 60°C, 1.5h	≤10	Pass		
Quantity of KM_nO₄ consumed, mg/kg				
Distilled water 60°C, 2h	≤10	Pass	GB 4806.7 - 2023	GB 31604.2 - 2016
Heavy metal (as Pb), mg/kg				
4% acetic acid(v/v) 60°C, 2h	≤1	Pass	GB 4806.7 - 2023	GB 31604.9 – 2016 method I
Total migration of Primary Aromatic Amines(PAA), mg/kg				
4% acetic acid(V/V) 100°C, 2h	Absent (DL=0.01 mg/kg)	Pass	GB 4806.7 - 2023	GB 31604.52-2021
10% acetic acid(V/V) 100°C, 2h	Absent (DL=0.01 mg/kg)	Pass		
95% acetic acid(Vegetable oil substitute) 60°C, 3.5h	Absent (DL=0.01 mg/kg)	Pass		
Iso-octane(Vegetable oil substitute) 60°C, 1.5h	Absent (DL=0.01 mg/kg)	Pass		

Annex II : Ceramics

Sensory requirements - Ceramics

Test	Limit	Comment	Test requirement source
Sensory			
Appearance: Glazed product with uniform color, no decoration flake off	Negative	Pass	GB 4806.4 - 2016

Physicochemical index - Ceramics

Test	Limit	Comment	Test requirement source	Methods and conditions for verifying compliance
Specific migration of lead and cadmium, mg/dm²				
4% acetic acid(v/v) 22°C, 24h	Pb ≤0.8	Pass	GB 4806.4 - 2016	Specific migration of Lead: GB 31604.34-2016 part 2 method IV
	Cd ≤0.07	Pass	GB 4806.4 - 2016	Specific migration of Cadmium: GB 31604.24-2016 method IV

Annex III : Metal

Sensory requirements - Stainless Steel 316L, F316L, 304, F304

Test	Limit	Comment	Test requirement source
Sensory			
Appearance: The surface which contact with food should be clean; Plating layer without cracks, peel off; Welding part should be smooth, without porosity, cracks, burr.	Negative	Pass	GB 4806.9 - 2016

Physicochemical index - Stainless Steel 316L, F316L, 304, F304

Test	Limit	Comment	Test requirement source	Methods and conditions for verifying compliance
Specific migration of heavy metal, mg/kg				
4% acetic acid(v/v) Boiling for 0.5h, and keep at room temperature for 24h	As ≤0.04	Pass	GB 4806.9 - 2016	GB 31604.49-2016 part 2 Method I
	Cd ≤0.02	Pass		
	Pb ≤0.05	Pass		
	Cr ≤2	Pass		
	Ni ≤0.5	Pass		

Sensory requirements - Titanium

Test	Limit	Comment	Test requirement source
Sensory			
Appearance: The surface which contact with food should be clean; Plating layer without cracks, peel off; Welding part should be smooth, without porosity, cracks, burr.	Negative	Pass	GB 4806.9 - 2016

Physicochemical index - Titanium

Test	Limit	Comment	Test requirement source	Methods and conditions for verifying compliance
Specific migration of heavy metal, mg/kg				
5g/L Citric acid 70°C, 2h	As ≤0.04	Pass	GB 4806.9 - 2016	GB 31604.49-2016 part 2 Method I
	Cd ≤0.02	Pass		
	Pb ≤0.2	Pass		

Sensory requirements - Nickel Alloy

Test	Limit	Comment	Test requirement source
Sensory			
Appearance: The surface which contact with food should be clean; Plating layer without cracks, peel off; Welding part should be smooth, without porosity, cracks, burr.	Negative	Pass	GB 4806.9 - 2016

Physicochemical index - Nickel Alloy

Test	Limit	Comment	Test requirement source	Methods and conditions for verifying compliance
Specific migration of heavy metal, mg/kg				
5g/L Citric acid 70°C, 2h	As ≤0.04	Pass	GB 4806.9 - 2016	GB 31604.49-2016 part 2 Method I
	Cd ≤0.02	Pass		
	Pb ≤0.2	Pass		

Annex IV : Rubber

Sensory requirements - EPDM rubber

Test	Limit	Comment	Test requirement source
Sensory			
Sense: Normal color and luster, no foreign smell, no impurity	Comply with the requirement	Pass	GB 4806.11 - 2023
Immersion solution: the immersion solution that got from the migration test should not have sensory deterioration such as color, turbidity, sedimentation or odor	Comply with the requirement	Pass	

Physicochemical index - EPDM rubber

Test	Limit	Comment	Test requirement source	Methods and conditions for verifying compliance
Overall Migration, mg/dm ²				
4% acetic acid 100℃, 2h	≤10	Pass	GB 4806.11 - 2023	GB 31604.8-2021
50% ethanol 100℃, 2h	≤10	Pass		
Quantity of KM _n O ₄ consumed, mg/kg				
DI water 60℃, 0.5h	≤10	Pass	GB 4806.11 - 2023	GB 31604.2- 2016
Heavy metal (as Pb), mg/kg				

4% acetic acid(V/V) 60℃, 0.5h	≤1	Pass	GB 4806.11 - 2016	GB 31604.9-2016 method I
Total migration of Primary Aromatic Amines(PAA), mg/kg				
4% acetic acid 100℃, 2h	Absent (DL=0.01 mg/kg)	Pass	GB 4806.7 - 2023	GB 31604.52-2021
50% ethanol 100℃, 2h	Absent (DL=0.01 mg/kg)	Pass		
Specific migration of N-nitrosamines				
4% acetic acid 100℃, 2h	Absent (DL=0.01 mg/kg)	Pass	GB 4806.7 - 2023	Immersing the sample with reference to GB 31604.1-2023 and GB 5009.156-2016 and analyze by GC- MS
50% ethanol 100℃, 2h	Absent (DL=0.01 mg/kg)	Pass		
Specific migration of N-nitrosatable substances				
4% acetic acid 100℃, 2h	Absent (DL=0.01 mg/kg)	Pass	GB 4806.7 - 2023	Immersing the sample with reference to GB 31604.1-2023 and GB 5009.156-2016 and analyze by GC- MS
50% ethanol 100℃, 2h	Absent (DL=0.01 mg/kg)	Pass		

Sensory requirements - Silicon rubber

Test	Limit	Comment	Test requirement source
Sensory			
Sense: Normal color and luster, no foreign smell, no impurity	Comply with the requirement	Pass	GB 4806.11 - 2016
Immersion solution: the immersion solution that got from the migration test should not have sensory deterioration such as color, turbidity, sedimentation or odor	Comply with the requirement	Pass	

Physicochemical index - Silicon rubber

Test	Limit	Comment	Test requirement source	Methods and conditions for verifying compliance
Overall Migration, mg/dm ²				
4% acetic acid 100℃, 2h	≤10	Pass	GB 4806.11 - 2016	GB 31604.8-2021
50% ethanol 100℃, 2h	≤10	Pass		
Quantity of KM _n O ₄ consumed, mg/kg				
DI water 60℃, 0.5h	≤10	Pass	GB 4806.11 - 2016	GB 31604.2- 2016
Heavy metal (as Pb), mg/kg				
4% acetic acid(V/V) 60℃, 0.5h	≤1	Pass	GB 4806.11 - 2016	GB 31604.9-2016 method I

Sensory requirements - Fluororubber

Test	Limit	Comment	Test requirement source
Sensory			
Sense: Normal color and luster, no foreign smell, no impurity	Comply with the requirement	Pass	GB 4806.11 - 2023
Immersion solution: the immersion solution that got from the migration test should not have sensory deterioration such as color, turbidity, sedimentation or odor	Comply with the requirement	Pass	

Physicochemical index - Fluororubber

Test	Limit	Comment	Test requirement source	Methods and conditions for verifying compliance
Overall Migration, mg/dm ²				
4% acetic acid(V/V) 100℃, 2h	≤10	Pass	GB 4806.11 - 2023	GB 31604.8-2021
50% ethanol 100℃, 2h	≤10	Pass		
Quantity of KM _n O ₄ consumed, mg/kg				
DI water 60℃, 0.5h	≤10	Pass	GB 4806.11 - 2023	GB 31604.2- 2016
Heavy metal (as Pb), mg/kg				
4% acetic acid(V/V) 60℃, 0.5h	≤1	Pass	GB 4806.11 - 2023	GB 31604.9-2016 method I

Total migration of Primary Aromatic Amines(PAA), mg/kg				
4% acetic acid(V/V) 100℃, 2h	Absent (DL=0.01 mg/kg)	Pass	GB 4806.11 - 2023	GB 31604.52-2021 method I
50% ethanol 100℃, 2h	Absent (DL=0.01 mg/kg)	Pass		
Specific migration of N-nitrosamines, mg/kg				
4% acetic acid(V/V) 100℃, 2h	Absent (DL=0.01 mg/kg)	Pass	GB 4806.11 - 2023	GB 31604.62- 2025 method I
50% ethanol 100℃, 2h	Absent (DL=0.01 mg/kg)	Pass		
Specific migration of N-nitrosatable substances, mg/kg				
4% acetic acid(V/V) 100℃, 2h	Absent (DL=0.01 mg/kg)	Pass	GB 4806.11 - 2023	GB 31604.62- 2025 method I
50% ethanol 100℃, 2h	Absent (DL=0.01 mg/kg)	Pass		