

DECLARATION OF COMPLIANCE WITH FOOD CONTACT LEGISLATION

1. Company Identification

We. Digmesa AG. Keltenstrasse 31, 2563 Ipsach, Switzerland, declare that the article and materials thereof described hereunder and assembled at our headquarters and manufacturing site at once in Switzerland are compliant with the corresponding food contact requirements listed in the present document.

2. Description of the article

Commercial name: Flowmeter Nano DM60

93N-6211/1100x Item numbers:

93N-6211/1DUYO

Description: The nano DM60 Flow Sensor is a general-purpose device that has been specially designed for coffee machines that use vibratory pumps. The device is installed between the water tank and the vibration pump (on the suction side). This way measuring errors that arise during pulsating water flow caused by vibration pumps are minimized.

Picture of the article:



Product build-up of parts intended to come into contact with food:

Product build-up	FLOW			
Part designation	Measuring tube	Turbine / Impeller	Magnets	Impeller cage
Part number	309-0002/01	A) 527-0002/01EX B) 527-0K02/01EX	480-0007	370-0001/01
Material type	Plastic PP	Plastic PVDF	Ceramic Hard ferrite	Plastic PP
Material formulation	Borcom WGAI140	A) Solef 1008-0001 B) Kynar 720 / 720E	Blockmagnet HF 28/26	Moplen HP500N
Max. food contact area (cm²)	4.938	0.332	0.055	0.504

Creation: S.Reuge

Revision: S. Reuge

Approval:

S.Schneider

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3. Confirmation that those materials or items meet the relevant requirements of Food contact regulations

The materials and/or items covered by this Declaration comply with the relevant requirements laid down in Framework Regulation (EC) N° 1935/2004/EC, Regulation (EC) N°2023/2006 and other European and national texts applicable, listed below:

Relevant categories	List of regulations and / or other references texts applicable		of ance
of materials		Testing	DoC from Suppliers
⊠ Plastics	□ European Union: Regulation No.10/2011/EU on plastic materials and articles and its amendments	\boxtimes	\boxtimes
	☐ Germany: LFGB (Lebensmittel- und Futtermittelgesetzbuch) §30, §31 and its amendments		
	 ☑ Italy: Ministerial Decree of 21/3/1973 and its amendments ☑ Netherland: The Dutch Regulation on commodities in contact with food "Verpakkingen- en gebruiksartikelenbesluit" (Warenwet) 		
	☑ USA: (FDA) and its amendments, Title 21 CFR 177.1520- Olefin polymer and 21 CFR 177.2510(a) Polyvinylidene fluoride resins		
	Mercosur (Argentina, Brazil, Paraguay, Uruguay and Venezuela):		
	GMC Res. No.32/10 Technical regulation on migration from plastic material, packaging and equipment intended to come into contact with foods		
	GMC Res. No. 56/92 General provisions for Plastic packaging and food contact equipment		
	GMC Res. No. 3/92 General criteria of packaging and food equipment in contact with foods		
	☑ China: GB 4806.7-2016 National food safety standard - plastic materials and articles for food contact use		
	GB 4806.7-2016 National food safety standard – general safety requirements for food contact materials		
	 ☐ Japan: Japan Food Sanitation Act, Specifications and Standards for Food, Food Additives, etc. (1959 MHLW Notice No. 370) with Amendments 		
	 ☑ Singapore: Sale of Food Act ☑ South Korea: Standards & Specifications for Food Utensils, Containers & Packaging - Ministry of Food and Drug Safety 		
	☐ Taiwan: Sanitation Standard for Food Utensils, Containers and Packages	\boxtimes	
	☑ Thailand: Food Act B.E. 2522 (1979) and Notification of the Ministry of Public Health (No. 295) B.E. 2548		
	Phthalates and Bisphenol A (BPA) free		\boxtimes
Colouring	n/a (not applicable)		
Masterbatch			

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☐ Ceramic /	⊠ European Union: Directives 84/500/EEC 84/500		
Glass	amended by 2005/31/EEC for ceramic articles intended to	EN .	
Oldoo	come into contact with foodstuffs and EDQM "Technical		
	Guide on Metals and alloys used in food contact materials"	4	
	after Resolution CM/Res(2013) EEC.		
	☐ France: French Decree 2007-766 and DGCCRF	\square	
	Document for Food Contact Suitability of Metals and Alloys		
	Intended to Come Into Contact with Foodstuffs		
		$ \boxtimes $	
	amendments		
	☑ Netherland: The Dutch Regulation on commodities in	$ \boxtimes$	
	contact with food "Verpakkingen- en		
	gebruiksartikelenbesluit"	_	
	☐ GB 4806.4-2016 food safety requirement for ceramic	$ \boxtimes $	
	Switzerland: Ordinance 817.023.21 and its amendments	\boxtimes	
	The Dutch Commodities Act (Regeling Verpakkingen en	$ \boxtimes$	
	Gebruiksartikelen (Warenwet)), Annex A, Chapter IV		
2	⊠ Mercosur:	\boxtimes	
	GMC Res. No. 12/11 on Maximum Inorganic Contaminants		1
	in Food		
	GMC Res. No. 46/06 for Metallic Packages and Articles in		
	Contact with Food		
	GMC Res. No. 3/92 General criteria of packaging and food		
	equipment in contact with foods	5-3	1
	☑ Japan: Japan Food Sanitation Act, Specifications and	\boxtimes	
	Standards for Food, Food Additives, etc.		1 1
	Singapore: Sale of Food Act	$ \boxtimes$	
	South Korea: Standards & Specifications for Food		
	Utensils, Containers & Packaging - Ministry of Food and		
	Drug Safety		
	☐ Taiwan: Sanitation Standard for Food Utensils,	\boxtimes	
	Containers and Packages		

The declarant can provide the appropriate documentation in support of the said compliance.

Product Certification



Additionally, our products are classified NSF/ANSI 169 - Special Purpose Food Equipment and Devices -

according Chapter 4 of the 2000 U.S. FDA Food Code. Please refer to the following link with the official NSF-listing:

http://info.nsf.org/Certified/Food/Listings.asp?Company=28180&Standard=169

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Particularities

(EC)Regulation N° 450/2009 into contact with food:	on active and in	ntelligent ma	aterials and it	ems intended to come
⊠ n/a (not applicable)				
(EC)Regulation N° 282/2008 contact with foods:	on recycled pla	stic materia	als and items	intended to come into
⊠ n/a				
This declaration of complia	nce has been e	stablished	in respect of	the following:
□ Declarations by suppliers			•	· ·
○ Overall Migration testing				
Flowmeter part	Simulants		Time	Temperature
Measuring tube	Distilled water		2 hours	70 °C
Turbine / Impeller	Distilled water 2 hours 70 °C		70 °C	
Impeller cage	Distilled water		2 hours	70 °C
Assessment of non-listed s	ubstances - Art	ticle 6 of (E	U) Regulatio	n N° 10/2011
⊠ Not applicable				
Risk assessment (article 1	9 of (EU) Regula	ation N° 10/	2011)	
☐ If not, list substances and	information relev	ant to the r	isk assessme	nt
Nom		Identification CAS - EINECS - N° de Référence MCDA		
		E .		
Assessment of non-intentic	onally added su	bstances (I	NIAS):	
	0 ((51)) 5	1' NO 404	0044) 14	
igtimes Risk assessment (article 1 beyond risky proportions with				
If not, list substances and	information relev	ant to the ri	sk assessme	nt
Nom		Identification CAS - EINECS - N° de Réf. MCDA		
2				

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4. Information on substances with restrictions

List of substance(s) subject to restriction and migration limits according to Regulation 10/2011/EC:

FCM No. (10/2011 /EC)	CAS No.	Name	Limits (mg/kg)	A *	W*	C*	M*
19		N,N-bis(2-hydroxyethyl)alkyl (C 8-C 18)amine	1.2	x		х	
20	-	N,N-bis(2-hydroxyethyl)alkyl (C 8-C 18)amine hydrochlorides	1.2	X		х	
132	75-38-7	Vinylidene fluoride	5.0	X			
368	693-36-7	Thiodipropionic acid, dioctadecyl ester	5.0	х			
433	2082-79-3	Octadecyl 3-(3,5-di-tert-butyl-4- hydroxyphenyl)propionate	6.0	X		Х	
779	182121-12-6	9,9- bis(methoxymethyl)fluorene	0.05	x		х	

^{*} Compliance with these limits was established by Analysis (A), Worst case (W), Calculation (C) or Modelling (M).

In the case of tests, specify the simulant(s) and test conditions:

Flowmeter part	Simulants	Time	Temperature
Measuring tube	Distilled water	24 hours	40 °C
Turbine / Impeller	Distilled water	24 hours	40 °C
Impeller cage	Distilled water	24 hours	40 °C

Note: the material of the impeller cage (Moplen HP500N) was tested on another item and each regulated substance was in conformity with the Specific Migration Limits. The food contact ratio of the tested object being much higher than the one the impeller cage, the results can be taken into consideration, moreover with a safety margin for the nano configuration.

List of substance(s) subject to restriction but without migration limits according to Regulation 10/2011/EC:

Not applicable

List of additives having multiple function after Regulation 10/2011/EC (e.g. food additive and packaging additive):

E number	Name of Additive	PM/REF N° and/or CAS N°
E 470a	Calcium salts of fatty acids	977089-53-4
E 553b	Talc	14807-96-6

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5. Information related to the intended u	use of the materials or items			
Materials or items intended for infants and Type of food intended to be placed in conta	_			
☐ All types of food products				
or				
⊠ Beverage / aqueous foods (such as water)	☐ Fatty foods:			
Acidic foods	☐ Alcoholic foods☐ Ice creams			
If the material and / or item subject to (EU) Regulation N° 10/2011 is concerned by the application of a reduction factor, this should be mentioned: Reduction factor due to fat content Reduction factor related to D2 simulant				
Others:				
Contact conditions (time and temperatures				
The article and materials thereof covered by t repeated use in contact with the above-mention of 24 consecutive hours each.	this Declaration of Conformity is/are suitable for oned type of food up to 40 °C for periods of time			
Maximum surface / volume ratio in contacthe material or item (if applicable): 0.6 dm ²	t with food used to establish compliance of / 100 ml			
Precaution before use: please note, that the water (up to 50°C warm) prior to the first applied	article has to be rinsed thoroughly with potable cation.			
6. Functional barrier (FB) in the case of Regulation №10/2011☑ Not applicable	f multilayer materials according to			
Or tick the corresponding box if the materials r	meet the requirements when using a FB:			
 Multi-layer plastics (Article 13 (2), (3) and (Multi-layer materials (Article 14 (2), (3) and ☐ The material covered by this declaration is 	(3) of (EU) Regulation N°10/2011)			



Please note, that this declaration replaces the precedent versions of it.

By observing the above requirements, we have fulfilled our duty of care regarding the compliance of the product we supply.

This declaration is valid on condition that there is no modification of material composition, that its intended use has not changed and in the absence of significant regulatory changes. "The DGGCRF (French Directorate General for Competition, Consumer Affairs and Prevention of Fraud) suggests a maximum duration of 5 years for the validity period of the test reports; if changes that may cause a change in the inertness of the material have occurred during this period, the tests must be repeated." 1

Compliance is understood to be subject to compliance with the conditions of storage, handling and use, taking into account the specific characteristics of the material or item, and the conditions such as prescribed by professional practices or codes.

In the event of changes to the nature of the packaged product, its composition or its intended use, as well as in the event of a change in the conditions for using the material or the item, the person for whom this declaration is intended must ensure the compatibility packaging / content for which s/he then accepts responsibility.

Stefan Schneider	CEO
Name	Position
DIGMESA AG Keltenstrasse 31 CH 2563 Ipsach	Ipsach, 31 th of May 2023
Authorized signature and stamp	Place and Date

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¹ (ANIA / Food Packaging Platform: Instructions for completing the Declaration of Compliance with food contact legislation, March 2019. https://www.ania.net/alimentation-sante/declaration-conformitemateriaux-equipements-au-contact-denrees-alimentaires)

