

## DECLARATION OF MATERIALS COMPLIANCE WE NR 8/2023

### 1. Name and address .

<b>FORMASTER S.A.</b>
<b>Fabryczna 24, 25-818 Kielce, Poland</b>

### 2. Application

<i>Identification:</i>	<i>Parameters (volume in ml):</i>
<b>Thermosteel bottle Easy</b>	490
<b>Thermosteel bottle Shape</b>	480

### 3. Full name of materials, products and substances used when manufacturing the product

In the production of Thermosteel Bottles we use the following materials:

18/8 quality rust proof steel, silicone gasket, polypropylene (Easy), polypropylene dyes (white , violet, black, pink, mint, latte), ABS (Shape), ABS dyes (white), elastomer with ABS - no contact with water(Shape).

### 4. Are compatible with the following EU Directives :

Directive No. / Description:	
1935/2004	On materials and articles intended to come into contact with food and repealing Directives 80/590/EEC i 89/109/EEC.
10/2011/WE	Commission regulation(with later amendments) is amending Directive 2007/19/EC relating to plastic materials and articles intended to come into contact with food and Council Directive 85/572/EEC laying down the list of simulants to be used for testing migration of constituents of plastic materials and articles intended to come into contact with foodstuffs.
2023/2006	Commission regulation of 22 December 2006 on good manufacturing practice for materials and articles intended to come into contact with food.
94/62/EC	European Parliament and Council Directive of 20 December 1994 on packaging and packaging waste.
Resolution AP (89) 1	Resolution AP (89) 1 on the use of colourants in plastic materials coming into contact with food (Adopted by the Committee of Ministers on 13 September 1989 at the 428th meeting of the Ministers' Deputies).

**5. Information relative to the substances used or products of degradation thereof for which restrictions and/or specifications are set out in Annexes I and II to Regulation 10/2011 to allow the downstream business operators to ensure compliance with those restrictions;**

**Polypropylene (Easy)**

Reference number	Substance name	Specific migration limit SML [mg/kg]	Restrictions and specifications
39815	9,9-bis(methoxymethyl)fluorine	0,05	
68320	Octadecyl 3(3,5-Di-tert-butyl-4-hydroxyphenyl)propionate	6	
39090	N,N-bis(2-hydroxyethyl)alkyl(C8-C18)amine	1,2	Expressed as tertiary amine
39120	N,N-bis(2-hydroxyethyl)alkyl(C8-C18)amine hydrochloride	1,2	Expressed as tertiary amine excluding HCl
	Calcium salts of fatty acids (E470a) (dual-use substance)		
-	Aluminum	1,0	
24550 89040	Stearic acid (dual-use substance)		

**ABS (Shape)**

Reference number	Substance name	Specific migration limit SML [mg/kg]	Reference and specifications
13630	Butadiene	ND	1 mg/kg in final product
12100	Acrylonitrile	ND	

**Polypropylene dyes**

Colours	Ref. number	Substance name	Specific migration limit SML [mg/kg]	Restrictions and specifications
<b>White</b>	93440	Titanium dioxide (dual-use-additives)	60	
		Carbonic acid & salts (dual-use-additives)	60	
<b>Violet</b>	-	Aluminium	1	
	85601	Silicates	60	
	93440	Titanium dioxide (dual-use-additives)	60	
	76721	Polydimethylsiloxa (Mw>6 800 Da) (dual-use-additives)	60	
<b>Latte</b>	24550 89040	Stearic acid (dual-use-additives)	60	

	93440	Titanium dioxide (dual-use-additives)	60	
	46880	3,5-di-tert-butyl-4-hydroxybenzylphosphonic acid, monoethyl ester, calcium salt	6	
	-	Zinc stearate	5	Expressed as zinc
	-	Iron	48	
<b>Black</b>	42080	Carbon black	60	<p>Primary particles of 10 – 300 nm which are aggregated to a size of 100 –1 200 nm which may form agglomerates within the size distribution of 300 nm – mm.</p> <p>Toluene extractables: maximum 0,1 %, determined according to ISO method 6209.</p> <p>UV absorption of cyclohexane extract at 386 nm: &lt; 0,02 AU for a 1 cm cell or &lt; 0,1 AU for a 5 cm cell, determined according to a generally recognised method of analysis.</p> <p>Benzo(a)pyrene content: max 0,25 mg/kg carbon black.</p> <p>Maximum use level of carbon black in the polymer: 2,5 % w/w.</p>
	-	Zinc stearate	5	Expressed as zinc
<b>Pink</b>	46880	3,5-di-tert-butyl-4-hydroxybenzylphosphonic acid, monoethyl ester, calcium salt	6	
	93440	Titanium dioxide	60	
<b>Mint</b>	93440	Titanium dioxide (dual-use-additives)	60	
	68320	Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	6	
	-	Zinc stearate	5	Expressed as zinc
	46880	3,5-di-tert-butyl-4-hydroxybenzylphosphonic acid, monoethyl ester, calcium salt	6	
	42080	Carbon black	60	<p>Primary particles of 10 – 300 nm which are aggregated to a size of 100 –1 200 nm which may form agglomerates within the size distribution of 300 nm – mm.</p> <p>Toluene extractables: maximum 0,1 %, determined according to ISO method 6209.</p> <p>UV absorption of cyclohexane extract at 386 nm: &lt; 0,02 AU for a 1 cm cell or &lt; 0,1 AU for a 5 cm cell, determined according to a generally recognised method of analysis.</p> <p>Benzo(a)pyrene content: max 0,25 mg/kg carbon black.</p> <p>Maximum use level of carbon black in the polymer: 2,5 % w/w.</p>

## ABS dyes

Colours	Ref. number	Substance name	Specific migration limit	Colours
White	46880	3,5-di-tert-butyl-4-hydroxybenzylphosphonic acid, monoethyl ester, calcium salt	6	
	10120	Vinyl acetate	12	
	46640	2,6-di-tert-butyl-p-cresol	3	
	93440	Titanium dioxide (dual-use-additives)	60	
	-	Iron	48	
	11710	Methyl acrylate	6	expressed as acrylic acid
	-	Calciumstearat (E470a) – dual-use-additives		

### 5. Functional barrier.

No functional barrier was used.

### 6. Specifications on the use of the product

(i) type or types of food with which it is intended to be put in contact;

Hot or cold beverages especially clear drinks like water, coffee, tea.

(ii) time and temperature of treatment and storage in contact with the food;

Any contact conditions that include heating up to 70 °C for up to 2 hours, or up to 100 °C for up to 15 minutes, which are not followed by long term room or refrigerated temperature storage.

(iii) ratio of food contact surface area to volume used to establish the compliance of the material or article;

6 dm<sup>2</sup> / 1 kg food simulant

Summary:

We hereby declare that, the „Thermosteel Bottles” comply with all cited regulations and thus might be used in contact with food.

Date: 22.08.2023

**FORMMASTER**<sup>®</sup>  
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