LABORATORIO ITALIANO GOMMA – CERISIE S.r.l.

To

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Date, June 26th, 2017
TR n° **349-(eng)/2016**
Ref. Your Confirm dated 19.05.16

Received 19.05.2016 Start tests 20.05.2016 End tests 14.06.2016

SUPPLEMENT TO TEST REPORT

Subject: SUITABILITY TO BE USED IN CONTACT WITH FOODS, ACCORDING TO **BfR – XXI RECCOMANDATION – CATEGORY 2,** ON A SAMPLE OF RUBBER COMPOUND MARKED **"EPDM 60 BA FDA BFR"** SUPPLIED AS VULCANIZED RUBBER SHEETS 2 mm thick

		On the rubber compound "EPDM 60 BA FDA BFR"	Requirements
• Content of zinc	%	0,8	≤ 3
• Content of lead	%	< 0,001	≤ 0,003
• Content of aliphatic and cycloaliphatic amines	mg/dm²	Not detectable (<0,02)	≤ 5
• p-phenylenediamine	mg/l	Not detectable (<0,01)	≤ 0,3
• Zinc dibenzyl dithiocarbamate	mg/kg elastomer	Not detectable (<0,1)	≤ 0,1

Compound: EPDM 60 BA FDA BFR

Migrations after contact of the rubber sheets with the Simulators for 24 hours at 40°C (Category 2)

Simulator: Distilled water			
• Total migration	mg/dm²	6,0	≤ 20
• Primary arylamines	µg/l	Not detectable	≤ 20
• Secondary N-alkyl arylamines	mg/l	Not detectable	≤ 1
• Formaldehyde	µg/ml	Not detectable	≤ 3
• N-nitrosamines	µg/dm²	< 0,01	≤ 1
Simulator: Acetic acid 3% (m/v) in water			
• Total migration	mg/dm²	39,6	≤ 100
• Primary arylamines	µg/l	2,0	≤ 20
• Secondary N-alkyl arylamines	mg/l	Not detectable	≤ 1
• N-nitrosamines	µg/dm²	< 0,01	≤ 1

SUPPLEMENT TO TEST REPORT

			Requirements
Compound: EPDM 60 BA FDA BFR	**Migrations after contact of the rubber sheets with the Simulators for 24 hours at 40°C (Category 2)**		
Simulator: Ethanol 10% (v/v) in water			
• Total migration	mg/dm²	7,3	≤ 20
• Primary arylamines	µg/l	3,0	≤ 20
• Secondary N-alkyl arylamines	mg/l	Not detectable	≤ 1
• N-nitrosamines	µg/dm²	< 0,01	≤ 1

NOTE: The food simulators at the end of the contact are colourless, odourless and tasteless.

REMARK: On the basis of the test results and on the basis of the recipe provided by the Customer, **we certifies** that the examined nitrilic rubber compound marked **"EPDM 60 BA FDA BFR"** **is in compliance** with the requirements of the **Recommendation XXI Category 2 of BfR** for the use in contact with foods, including milk

The sampling has been carried out by the Customer.

The contained results refer only to the tested sample.

This report cannot be partially reproduced without the laboratory approval.

E. Badomer, ***Operator***

F. Negroni, ***Director***