

Messrs

TUBIGOMMA DEREGBUS S.r.l.

Via E. Mattei, 1

35030 SACCOLONGO (PD)

Date, 31st March, 2008
TR n° 014/C-bis/2008 (175)
Ref. E-Mail dated 30.11.2007

Received 09.01.2008

Start test: 16.01.2008

End test: 26.03.2008

Page 1 of 2

T E S T R E P O R T

Subject: HOSE ALIMENT/EPDM

TYPE OF LINER: EPDM – Compound 6049/BfR (P625/BfR)

SUITABILITY TO BE USED IN CONTACT WITH FOODS, ACCORDING TO BfR – XXI
RACCOMANDATION – CATEGORY 2

			Requirements
<u>Tests on liner</u>			
• Content of zinc	%	0,009	≤ 3
• Content of lead	%	0,003	≤ 0,003
• Content of aliphatic and cycloaliphatic amines	mg/dm ²	Not revealable (<0,02)	≤ 5

**Migrations into food simulators for 24 hours at 40°C
(Category 2)**

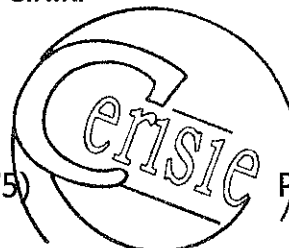
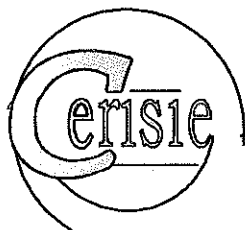
Ratio of hose surface (dm²) / Simulator volume (l) : 3/1

Simulator: Distilled water

• Total	mg/dm ²	2,7	≤ 20
• Primary arylamines	µg/l	5,0	≤ 20
• Secondary N-alkyl arylamines	mg/l	0,2	≤ 1
• Formaldehyde	µg/ml	Not revealable (<1)	≤ 3
• N-nitrosamines	µg/dm ²	0,50	≤ 1

Simulator: Acetic acid 3% (m/v) in water

• Total	mg/dm ²	18,9	≤ 100
• Primary arylamines	µg/l	14,0	≤ 20
• Secondary N-alkyl arylamines	mg/l	0,4	≤ 1
• N-nitrosamines	µg/dm ²	0,76	≤ 1



Date, 31st March, 2008

TR n° 014/C-bis/2008 (175)

Page 2 of 2

T E S T R E P O R T

Requirements

Migrations into food simulators for 24 hours at 40°C (Category 2)

Ratio of hose surface (dm²) / Simulator volume (l) : 3/1

Simulator: Ethanol 10% (v/v) in water

• Total	mg/dm ²	2,8	≤ 20
• Primary arylamines	µg/l	5,0	≤ 20
• Secondary N-alkyl arylamines	mg/l	0,3	≤ 1
• N-nitrosamines	µg/dm ²	0,74	≤ 1

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

REMARK: The results are in compliance with the requirements of the Recommendation XXI Category 2 of BfR for the use of hose in contact with foods.

The contained results refer only to the tested sample.

This report cannot be partially reproduced without the laboratory approval.

E. Badomer, **Operator**

F. Casa, **Director**