

Return address: P.O. Box 2220, 6802 CE ARNHEM, The Netherlands

Superior Manufacturing Group - Europe B.V.
Att. Mrs. Dirckx
Achterzeedijk 57
2992 SB BARENDRECHT
The Netherlands

TÜV Rheinland Nederland B.V.
The Netherlands

Postal address:
P.O. Box 2220
6802 CE ARNHEM

Parking and delivery:
Westervoortsedijk 73
6827 AV ARNHEM

www.tuv.com/nl

T +31 88 888 7888

Jaring.de.Wolff@nl.tuv.com

Testreport

Project number: 89211031
Report number: 89211031.09en

Date
08/06/2017

Project number
89211031

Received:

A rubber floor covering, marked as: **“Rib ‘n’ Roll P3™ 3mm broad rib PO 4564”**;
TÜV-reference: MT17-133220.07

Report number
89211031.09en

Sampling procedure:

The samples are selected by the applicant. The test house has had no influence on the sampling procedure.

Phone number client
+31 (0) 180 615 744

Fax number client
-

The samples have been received on 15/05/2017.

Order:

Determination of polycyclic aromatic hydrocarbons (PAH) according AfPS GS 2014:01.*

** The tests are completely or partially conducted by a subcontractor within TÜV Rheinland.*

Article
Rib ‘n’ Roll P3™ 3mm broad rib
PO 4564

Results:

See page three and four.

Appendix
- none -

Appendix:

None.

TRN applies General Terms & Conditions which are filed at the office of the Clerk for civil affairs at the Court in Zutphen (the Netherlands) under number 35/2010, dated November 17th 2010.

PRODUCT IDENTIFICATION

Applicant : Superior Manufacturing Group – Europe
B.V.
Product name : **Rib 'n' Roll P3™ 3mm broad rib**
PO 4564*

** Applicant's declaration*

Date
08/06/2017

Project number
89211031

Report number
89211031.09en

Article
Rib 'n' Roll P3™ 3mm broad rib
PO 4564

Page
2/4



Figure 1. Picture of the received sample

Date
08/06/2017

Project number
89211031

Report number
89211031.09en

Article
Rib 'n' Roll P3™ 3mm broad rib
PO 4564

Page
3/4

TEST RESULTS

Polycyclic aromatic hydrocarbons (PAH)

Method: Harmonized method for determination of Polycyclic Aromatic Hydrocarbons (PAH) in Polymers, gas chromatographic method with mass spectrometric detection.

Standard : AfPS GS 2014:01.
 Report number : 0003221882/30 AZ 269307
 Detection limit : 0.2 mg/kg

Sample number	Total PAH (mg/kg)	Category according ZEK 01.4-08*
MT17-133220.07	4.5	3

Table 1: Total PAH

Unit	mg/kg
Sample number	MT17-133220.07
Acenaphthylene	<0.2
Acenaphthene	<0.2
Fluorene	<0.2
Phenanthrene	1.1
Anthracene	0.3
Fluoranthene	0.7
Pyrene	0.9
Naphtalene	0.2
Indeno (1,2,3-cd)pyrene	<0.2
Benzo(ghi)perylene	<0.2
Benzo(a)anthracene	0.3
Chrysene	0.6
Benzo(b)fluoranthene	0.2
Benzo(j)fluoranthene	<0.2
Benzo(k)fluoranthene	<0.2
Benzo(e)pyrene	0.2
Benzo(a)pyrene	<0.2
Dibenz(a,h)anthracene	<0.2

Table 2: Individual results

*Assessment of the results according to "Testing and evaluation Polycyclic aromatic Hydrocarbons (PAH) at granting of the GS-sign", AfPS GS 2014:01 PAK (issue 04.08.2014)

Category 1 – Materials intended to be put in mouth of material for toys intended to come into contact and with prolonged contact with the skin (longer than 30 s)

Category 2 – Materials not covered by category 1 with foreseeable contact to skin for longer than 30 seconds (long term skin contact) or repeated short term skin contact.

Category 3 – Materials not covered by category 1 or 2 with foreseeable contact to skin up to 30 seconds (short term skin contact).

Date
08/06/2017

Limited values

Benzo(a)pyrene, Benzo(e)pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(j)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenz(a,h)anthracene, Benzo(ghi)perylene, Indeno (1,2,3-cd)pyrene
Category 1: < 0.2 mg/kg
Category 2: < 0.5 mg/kg
Category 3: < 1 mg/kg

Project number
89211031

Report number
89211031.09en

Naphtalene

Category 1: < 1 mg/kg
Category 2: < 2 mg/kg
Category 3: < 10 mg/kg

Article
Rib 'n' Roll P3™ 3mm broad rib
PO 4564

Page
4/4

Sum of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyren, Anthracene and Fluoranthene respectively all 18 PAH each.

Category 1: < 1 mg/kg
Category 2: < 10 mg/kg
Category 3: < 50 mg/kg

Limit for 8 EU-PAHs (Grey indicated substances) In rubber of plastic components of articles according to regulation (ED) No. 1907/2006, Annex XVII, (effective from 27.12.2015):

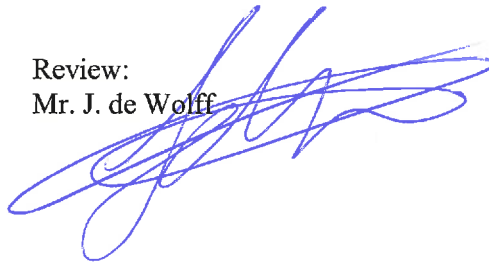
- 1 mg/kg per substance for parts of articles that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use.
- 0.5 mg/kg per substance for toys and childcare articles.

**FCM – Food Contact Materials are covered by Regulation (EU) 1935/2004 and are therefore not in the scope of AfPS GS 2014:01 PAK. From our experience a migration of PAHs into food is not foreseeable if all tested substances are <0.2 mg/kg.

Author:
Mr. M.A. van de Vlekkert



Review:
Mr. J. de Wolff



All rights reserved.

No part of this report may be reproduced, provided to and/or examined by third parties, and/or published by print, photoprint, microfilm, in electronic form or any other means without the explicit previous written consent of TÜV Rheinland Nederland B.V. The results are based upon the samples received and have not to be representative for the total production. TÜV Rheinland Nederland B.V. had no influence on the sampling.

In case this report was drafted within the context of an assignment to TÜV Rheinland Nederland B.V., the rights and obligations of contracting parties are subject to the General Terms & Conditions for Advisory, Research and Certification assignments to TÜV Rheinland Nederland B.V. and/or the relevant agreement concluded between the contracting parties.

© 2010 TÜV Rheinland Nederland B.V.

(end of report)