



# Tun Abdul Razak Research Centre

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## Test Report

Your reference: Request dated 04 June 2013

Our reference: RC22593-1

Sample(s) description: Yoga mat LS01/11

GR No. 13/369

Date received: 06 June 2013

MCU Test Report No. R14328

Date of report: 09 July 2013

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Recipient: Seona Robinson

Company name and address: EcoYoga Ltd

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Query: Nitrosamines analysis to EN12868

Samples are analysed as received. The various tests carried out, with their log identifying numbers, dates of testing and the initials of the person who carried out the tests, are tabulated below. UKAS-accredited tests are identified by their test reference numbers. Test references marked "\*" denote tests which are not UKAS accredited and are not included in the UKAS Accreditation Schedule for our laboratory. Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation. Test reports shall not be reproduced except in full, without written approval of the laboratory.

UKAS Test ref. no.	Test type by initials and test identifying run nos.	Date of testing	Operator
051 EN 12868	NB 7249 - 7250	07 June 13	PES / PCG

This report has been approved for release by

*Sue Stephens* 15 July 2013

Sue Stephens; Head, Materials Characterisation

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Report No. R14328 (RC22593-1)

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The sample(s) listed below were tested as received to BSEN12868:1999 in line with Directive 93/11/EEC by the method referenced above (no boil, 1 hour in artificial saliva at 40°C,) and the following results obtained:

Test	Sample	Nitrosamines (mg/Kg)	Nitrosatables (mg/Kg)
EN 12868	Yoga mat Standard compound LS01/11	NDMA 0.010 NDEA 0.024	NDMA 0.020 NDEA 0.411
BMELV limits 2008		<i>0.05 mg/Kg</i>	<i>1 mg/Kg</i>

These were the only N-nitrosamines observed in comparison with the set of reference standards which includes NDMA, NDEA, NDnPA, NDBA, N-PIP, N-PYR, N-MOR, NDiNA and NDBzA.

No other volatile nitrosamines were detected above the limit of 0.001- 0.002 mg/Kg.

There are no limits for Yoga mats.

The standard compound, though not a balloon, would comply with the European Toy Safety Directive for balloons 2009/48/EU, and therefore would also appear to be fit for purpose as a yoga mat.