



**Examination in Accordance with the Requirements
of the CertiPur Label for Flexible Polyurethane Foams**

Client: Eurofoam Hungary Poliuretán Ltd. Co., 3792 Sajóbáony Hungary
Foam family: High resilience ether foam (Charge No.: 166)
Foam grade: R 4342
Company production ref. No.: --
Date of production: February 09, 2009
Date of sampling: February 12, 2009
Samples received: February 15, 2009
Examination report No.: 1054492
CertiPur application number: C-0911-379-0129
Examination: Tests were carried out in accordance with the requirements of the CertiPur label.

No.	Test	Requirements	Test findings	Comments
1.	Organo tin compounds	Tributyltin (TBT) < 50 ppb Dibutyltin (DBT) < 100 ppb Monobutyltin (MBT) < 100 ppb Sum ¹⁾ < 500 ppb	< 5 ppb 8 ppb 11 ppb < 24 ppb	Requirements met
2.	Phthalate plasticizers	Sum of Di-iso-nonylphthalates, Di-n-octylphthalate, Di-(2-ethylhexyl)-phthalate, Di-isodecylphthalates, Butylbenzylphthalate and Dibutylphthalate ≤ 0.01 wt %	0.001 wt %	Requirement met
3.	TDA and MDA	2,4-Toluenediamine (TDA) ≤ 5 ppm 4,4'-Diaminodiphenylmethane (MDA) ≤ 5 ppm Sum of TDA and MDA ≤ 5 ppm	0.3 ppm < 0.2 ppm < 0.5 ppm	Requirements met

¹⁾ Sum of n-butyltin (Monobutyltin, MBT), di-n-butyltin (Dibutyltin, DBT), tri-n-butyltin (Tributyltin, TBT), tetra-n-butyltin, n-octyltin, di-n-octyltin, tri-cyclohexyltin and triphenyltin.

#

Except when otherwise approved / licensed by LGA this test report may only be published and used in unabbreviated original phrasing and form. The test report contains the result of one single examination of the individual test sample and does not represent any universally valid evaluation of the qualities of all products from serial production. Should the content of the test report need any interpretation the German text shall be leading.

P:\QZPS\QZPSUOP\KUNDEN\Eurofoam_Hungary\Berichte\2010\1054492.doc // Page 1 of 2

© TÜV, TÜEV und TÜV sind eingetragene Marken. Eine Nutzung und Verwendung bedarf der vorherigen Zustimmung. 91610 1.07

1054492

No.	Test	Requirements	Test findings	Comments
2.	Emission of volatile organic compounds (Test chamber)	Formaldehyde < 100 µg/m ³ Toluene < 500 µg/m ³ Styrene < 300 µg/m ³ CMR substances ¹⁾ each < 5 µg/m ³ Sum of all CMR substances ¹⁾ < 40 µg/m ³ Aromatic hydrocarbons < 500 µg/m ³ Organic volatiles (total) ³⁾ < 500 µg/m ³	< 10 µg/m ³ < 1 µg/m ³ < 1 µg/m ³ each < 1 µg/m ³ -- ²⁾ 3.9 µg/m ³ 190 µg/m ³	Requirements met

¹⁾ Carcinogenic, mutagenic and reprotoxic substances, Class 1 or 2, according to EU legislation (67/548/EEC).

²⁾ Carcinogenic, mutagenic and reprotoxic substances were not detected.

³⁾ Sum of all components with a concentration ≥ 1 µg/m³ and eluting within the retention time window from n-hexane (C₆) to n-hexadecane (C₁₆)


Individual detected components		
Substance	CAS-No.	Concentration [µg/m ³]
m-xylene	108-38-3	2,4
o-xylene	95-47-6	1,5
n-undecane	1120-21-4	1,3
n-dodecane	112-40-3	1,4
n-tridecane	629-50-5	2,1
DABCO	280-57-9	29
2-ethylhexanoic acid	149-57-5	88
dodecamethylpentasiloxane	141-63-9	2,2
tetradecamethylhexasiloxane	107-52-8	14
hexadecamethylheptasiloxane	541-01-5	22
octadecamethyloctasiloxane ⁴⁾	556-69-4	10
eicosamethylnonasiloxane ⁴⁾	2652-13-3	2,1
not identified alkans/alkens/alkohols	--	19
rest not identified	--	8,0

⁴⁾ SVOC, not included in the above mentioned "Organic volatile (total)" values.

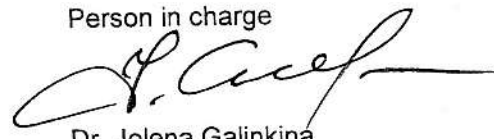
The sample complies with the requirements according to the CertiPur label.

Nuremberg, March 22, 2010

TÜV Rheinland LGA Products GmbH
 LFGB / Consumer Products
 Emission Testing


 Dr. Christian Schelle
 Chemist

Person in charge


 Dr. Jelena Galinkina
 Chemist