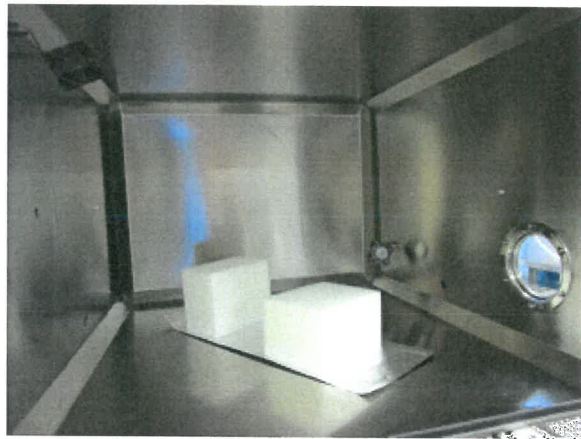
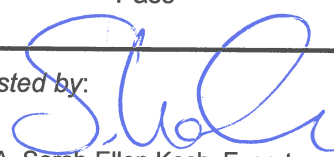
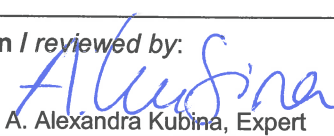


Prüfbericht-Nr.: <i>Test Report No.:</i>	60187976-001	Auftrags-Nr.: <i>Order No.:</i>	3268227	Seite 1 von 6 Page 1 of 6
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	C-RU-08018-725-0371 Full-analysis	Auftragsdatum: <i>Order date:</i>	07.09.2018	
Auftraggeber: <i>Client:</i>	RIF Ametist Ltd., 2-y Pyatiletki Street, 140730 Roshal, Moscow Region, Russia			
Prüfgegenstand: <i>Test item:</i>	High Resilience Foam			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	HR3530			
Auftrags-Inhalt: <i>Order content:</i>	Contaminant test (full-analysis) according to EU-CertiPUR-Label			
Prüfgrundlage: <i>Test specification:</i>	CertiPUR Label for Flexible Polyurethane Foams European Association of Flexible Polyurethane Foam Blocks Manufacturers III. Technical Requirements - Version July, 2017 1.1. Tinorganic substances; 1.2. Phthalate plasticizers; 1.3. TDA / MDA 1.4. Emission of volatile organic compounds			
Wareneingangsdatum: <i>Date of receipt:</i>	2018-09-11 (Lab: 2018-09-13)			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000209180-001/-002/-003			
Prüfzeitraum: <i>Testing period:</i>	2018-09-12 – 2018-10-12			
Ort der Prüfung: <i>Place of testing:</i>	Emission Testing Nuremberg			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland LGA Products GmbH			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
2018-10-12	i. A. Sarah-Ellen Koch, Expert	2018-10-12	i. A. Alexandra Kubina, Expert	
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>
				Unterschrift <i>Signature</i>
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend
	5 = mangelhaft			
	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	1 = very good	2 = good	3 = satisfactory	4 = sufficient
	5 = poor			
	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

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Test Report No.:

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Liste der verwendeten Prüfmittel
List of used test equipment

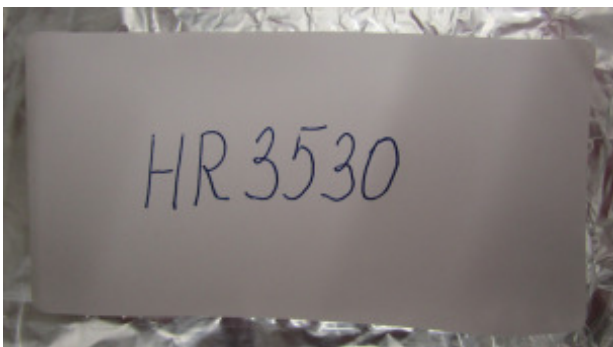
Prüfmittel <i>Test equipment</i>	Prüfmittel-Nr. / ID-Nr. <i>Equipment No. / ID-No.</i>	Nächste Kalibrierung <i>Next calibration</i>
Die Messunsicherheit wird auf Anfrage mitgeteilt / <i>Information on standard uncertainty on client's request.</i>		
Prüfmittelliste siehe Anhang / <i>Test equipment list see appendix</i>		

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Produktbeschreibung
Product description

<p>1 Produktdetails / <i>Product details</i></p>	<p>High Resilience Foam HR3530 Low Density</p>
<p>2 Hersteller / <i>Manufacturer</i></p>	<p>RIF Ametist Ltd. 2-y Pyatiletki street 14730 Roshal, Moscow Region Russian Federation Mrs. Olesya Medvedeva</p>
<p>3 Schäumungsdatum / <i>Foaming date</i></p>	<p>2018-08-17</p>
<p>4 Schneidedatum / <i>Cutting date</i></p>	<p>2018-08-23</p>



Sample Submittal and Analytical Request
CertiPUR Voluntary Certification Program

<p>Sample Identification: Sample to: Lab Name: TÜV RHEINLAND LGA PRODUCTS GmbH Address: Tillystrasse 2 City / Zip: D-90431 Nürnberg Country: Germany Attention: Dr. Jelena Galinkina Tel: +49 911 6555614</p>	<p>Invoice to: Co. Name: RIF Ametist Address: 2-y Pyatiletki street City / Zip: 140730 Roshal, Moscow Region Country: Russian Federation Attention: Mrs Olesya Medvedeva VAT N°: PO N°: Email: MedvedevaOP@foamline.com</p>
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CertiPUR Code	C-RU-08018- 725-0371
Your Product Code	HR3530
Foam Family*	High Resilience Foam
Foam Density/IFD	Medium density
Production Date	17.08.18
Date Sample Cut	23.08.18
Shipping Date	07.09.18
Report Results	<input checked="" type="checkbox"/> To Submitting Company & Europur <input type="checkbox"/> To Submitting Company Only

* See CertiPUR Technical Paper , Phase A - Section 3 for Foam Families

Analytical Request

- | | |
|--|--|
| <input checked="" type="checkbox"/> Full CertiPUR analysis
Tin organic compounds
Phthalate plasticizers
2,4 Toluenediamine (TDA)
4,4' Diaminodiphenylmethane (MDA)
Specified Volatile Organic Compounds
Total Volatile Organic Compounds | <input type="checkbox"/> CertiPUR Re-analysis
2,4 Toluenediamine (TDA)
4,4' Diaminodiphenylmethane (MDA)
Volatile Organic Compounds |
|--|--|

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Absatz	CertiPUR Label for Flexible Polyurethane Foams	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

CertiPUR Code: C-RU-08018-725-0371 Full-analysis

No.	Test	Requirements	Test findings	Comments
1.1	Tinorganic compounds	Tributyltin (TBT) < 50 ppb Dibutyltin (DBT) < 100 ppb Monobutyltin (MBT) < 100 ppb Sum ¹ < 500 ppb	< 5 ppb < 5 ppb 49 ppb 49 ppb Each other: n.d. ⁸	Requirements met
1.2	Phthalate plasticizers	Sum ² ≤ 0.01 wt %	n.d.	Requirement met
1.3	TDA and MDA	2,4-Toluenediamine (TDA) ≤ 5 ppm 4,4'-Diaminodiphenylmethane (MDA) ≤ 5 ppm	< 0.5 ppm < 0.5 ppm	Requirements met
1.4	Emission of volatile organic compounds (test chamber)	Formaldehyde ≤ 10 µg/m ³ Toluene ≤ 100 µg/m ³ Styrene ≤ 5 µg/m ³ Each other CMR substances Class 1A and 1B ³ ≤ 5 µg/m ³ Sum of all CMR substances Class 1A and 1B ⁴ ≤ 40 µg/m ³ Aromatic hydrocarbons ≤ 500 µg/m ³ Organic volatiles (total) ^{4,5} ≤ 500 µg/m ³	n.d. ⁶ n.d. ⁶ n.d. ⁶ each n.d. ⁶ n.d. ⁶ 3.0 µg/m ³ 1.2 µg/m ³	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 tri-phenyltin

² Sum of Di-iso-nonylphthalates, Di-n-octylphthalate, Di-(2-ethylhexyl)-phthalate, Di-iso-decylphthalates, Butylbenzylphthalate, Dibutylphthalate, Di-n-hexylphthalate

³ Carcinogenic, mutagenic and reprotoxic substances, Class 1A or 1B, according to EU legislation

⁴ including formaldehyde; information from EuroPUR of July 7, 2017:

The VOC emissions of formaldehyde identified have to be added to the TVOC of carcinogenic substances measured and to the overall limit for VOCs (please refer to the CertiPUR Technical Requirements – Version 2017)

⁵ 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)

⁶ n.d. = not detected, no substances of the corresponding category have been detected, limit of quantification 1 µg/m³

⁷ SVOC (Semi Volatile Organic Compound, eluting with the retention time window from > C₁₆ to C₂₂)

⁸ n.d. = not detected, no substances of the corresponding category have been detected, limit of quantification 5 ppb

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Absatz	CertiPUR Label for Flexible Polyurethane Foams	Messergebnisse - Bemerkungen	Bewertung
<i>Clause</i>	<i>Anforderungen - Prüfungen / Requirements - Tests</i>	<i>Measuring results - Remarks</i>	<i>Evaluation</i>

Individually detected components		
Substance	CAS No.	Concentration [$\mu\text{g}/\text{m}^3$]
Formaldehyde	50-00-0	< 1
2,6-Di-tert-butyl-p-cresol (SVOC) ⁷	128-37-0	3.0
Acetic acid	64-19-7	1.2

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Absatz	CertiPUR Label for Flexible Polyurethane Foams	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation



Equipment - Liste

Prüfdatum von 24.09.2018
Prüfdatum bis 28.09.2018

Projektleiter Sarah-Ellen Koch
Kostenstelle 685
Prüfberichtsnummer 60187976-001
Projektnummer 0003268227A00030

Kunde RIF Ametist Ltd.
Produktname HR3530
Bemerkung

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Alte ID	GTEM-ID	Beschreibung	Typbezeichnung	Hersteller	Inte. (mon)	Fälligkeit
09856	2731427	Massenflussregler	FMA-2600A, MC-50-SLP	Omega	24	13.06.2020
	2825525	Datenlogger Feuchte/Temperatur	Logprobe31	E + E Elektronik	12	18.05.2019
10273	2732390	Probenahmepumpe	BIVOC2, 5	Umweltanalytik	24	01.01.2019
10441	2732662	Probenahmepumpe	BIVOC2, 8	Umweltanalytik	24	01.03.2019
10439	2732660	Probenahmepumpe	BIVOC2, 6	Umweltanalytik	24	01.03.2019

* Kein Eintrag bei Geräten, die nicht der regelmäßigen Eichung oder Kalibrierung unterliegen

ggf. Unterschrift:

