

TÜV Rheinland LGA Products GmbH · 51105 Cologne
VAPEKS d.o.o.
Verica Smajovic
Konjevici bb null
32212 Preljina
SERBIA

Contact
E-Mail
Phone
Fax
Cologne,

Petra Van Dyck
Petra.Van.Dyck@de.tuv.com
+49 221/806-2129
+49 221/806-2882
28.10.2019

Report No. 0003306909/30 AZ 357964

Test item: One foam

Identification: Material Producer: Polyurethane foam
Material Description: Color white, size 100x100x50mm 3 pieces
Material Identification: EL 2130E
Date stamp: 25.09.2019

Condition at delivery: No claim

Date of delivery: 21.10.2019

Place of testing: Cologne

Test period: 22.10.2019 to 28.10.2019

Test scope: Parameters selected by customer

Test specification: IKEA IOS-MAT-0010 Vers. AA-10911-14 dated 2018-06-20

Test result: Pass - According to the kind and extent of tests performed the test item meets the test specification.

Cologne, 28.10.2019

X 

Sachverständige(r)/Expert
Signiert von: Margot Thiel

X 

Sachverständige(r)/Expert
Signiert von: Petra Van Dyck

Report No.: 0003306909/30 AZ 357964
Date: 28.10.2019

Page 2 of 4

1. Results

Organotin compounds

Sample No.	357964-002		
Sample composition	Art. 1		
Unit	mg/kg		
Organotin compounds			
Monobutyltin, MBT	<0,05		
Dibutyltin, DBT	<0,005		
Tributyltin, TBT	<0,005		
Tetrabutyltin, TeBT	<0,05		
Monooctyltin, MOT	<0,05		
Diocetyl tin, DOT	<0,05		
Tricyclohexyltin, TcyT	<0,05		
Triphenyltin, TPhT	<0,005		
Dipropyltin	<0,05		
Diphenyl tin	<0,05		
Sum of organotin compounds	n.n.		
Sum of tri-organotin compounds	n.n.		
Sum of di-/tri-organotin compounds	n.n.		

n.n. not detectable

Limit values:

DBT and TBT 0,2 mg/kg each

Sum of all organotin compounds 2,5 mg/kg

Report No.: 0003306909/30 AZ 357964
Date: 28.10.2019

Phthalates

Sample No.	357964-003		
Sample composition	Art. 1		
Unit	mg/kg		
Phthalates			
Bis-(2-ethylhexyl)phthalate, DEHP	<50		
Benzylbutylphthalate, BBP	<50		
Diisodecylphthalate, DIDP	<50		
Diisononylphthalate, DINP	<50		
Dibutylphthalate, DBP	<50		
Di-n-hexyl phthalate, DnHP	<50		
1,2-Benzenedicarboxylic acid, di-C6 -8-branched alkyl esters, C7-rich, DIHP	<50		
1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl ester, DHNUP	<50		
Diisohexyl phthalate	<50		
1,2-benzenedicarboxylic acid, dipentylester, branched and linear	<50		
n-Pentyl-isopentyl phthalate, PiPP	n.n.		
Di-n-pentylphthalate, DnPP	<50		
Diisopentylphthalate DiPP	<50		
Bis-(2-methoxyethyl) phthalate, BMEP	<50		
Dicyclohexylphthalate, DCHP	n.n.		
Diisobutylphthalate, DIBP	<50		
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	<50		
Di-n-octylphthalate, DNOP	<50		

n.n. not detectable

Limit value 100 mg/kg for each phthalate

TDA and MDA

Sample No.	357964-001		
Sample composition	Art. 1		
Unit	mg/kg		
TDA/MDA			
2,4-Toluylendiamine	<1		
2,6-Toluylendiamine	<1		
2,2-Diaminodiphenylmethane	<1		
2,4-Diaminodiphenylmethane	<1		
4,4'-Diaminodiphenylmethane	<1		

Limit value 5 mg/kg per compound

Report No.: 0003306909/30 AZ 357964
Date: 28.10.2019

2. Summary of methods

Organotin compounds	Standard: ISO/TS 16179	Issue date: 01.08.12
----------------------------	-------------------------------	-----------------------------

Method description:
Footwear - Critical substances potentially present in footwear and footwear components - Determination of organotin compounds in footwear materials.

Phthalates	Standard: ISO 8124-6	Issue date: 01.11.18
-------------------	-----------------------------	-----------------------------

Method description:
Safety of toys - Part 6: Certain phthalate esters in toys and children's products, method C

TDA and MDA		
--------------------	--	--

Method description:
Determination of TDA and MDA according to: Europur protocol for residual TDA in flexible PU-foam - Determination of residual TDA in flexible PU-foam, Determination by HPLC

----End of report----