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EKOTEKS LABORATUVAR ve GÖZETİM
HİZMETLERİ A.Ş.
Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar
İstanbul/ TÜRKİYE

TEST REPORT
DENEY RAPORU

AB-0583-T
17012459
03-17

Customer name: HBK BALON

Address: ÇOBANÇEŞME ÇALIŞLAR SK. EMEK İŞ HANI NO:21 YENİBOSNA-BAHÇELİEVLER/İSTANBUL

Buyer name: -

Contact Person: HASAN BÜLENT KAPLANGİ

Order No: -

Article No: -

Name and identity of test item: Two samples of yellow balloons.
(Saf Eng Formül (Latex 2) Lot:20170313 24.03.2017 Ürt. Sarı 12 inch Item:6125)

The date of receipt of test item: 29.03.2017

Date of test: 29.03.2017-30.03.2017

Remarks: -

Sampling: The results given in this report belong to the received sample by vendor.

End-Use: Balloon.

Number of pages of the report: 3

The Turkish Accreditation Agency (TURKAK) is signatory to the multilateral agreements of the European co-operation for the Accreditation (EA) and of the International Laboratory Accreditation (ILAC) for the Mutual recognition of test reports.

The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Seal

Date
30.03.2017

Customer Representative
Hatice ACARALP

Head of Testing Laboratory
Sevim A. RAZAK

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REQUIRED TESTS	RESULT	COMMENTS
ECOLOGICAL TESTS		
N-Nitrosamines and N-Nitrosatable Substances	P	
P: Pass F: Fail R: Refer to retailer technologist. This test result was evaluated according to (German Consumer Goods Ordinance) LFB6 and Directive 2009/48/EC.		

REMARK: Original samples are kept for 3 months and all technical records are kept for 5 years unless otherwise specified. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95 %. Tests marked (*) in this report are not included in the accreditation schedule.



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TEST RESULTS

N-NITROSAMINES AND N-NITROSATABLE SUBSTANCES; BS EN 71-12:2013			
Sample is extracted with test solution, migration 1 hour at 40 °C and determined using LC/MSMS.			
	CAS NO	RESULTS	REQUIREMENT
N-Nitrosamines in Elastomers			
N-nitrosodiethanolamine (NDELA)	1116-54-7	0.0025 mg/kg	
N-nitrosodimethylamine (NDMA)	62-75-9	N.D. ⁽¹⁾	
N-nitrosodiethylamine (NDEA)	55-18-5	N.D. ⁽¹⁾	
N-nitrosodipropylamine (NDPA)	621-64-7/	N.D. ⁽¹⁾	
N-nitrosodiisopropylamine (NDIPA)	601-77-4		
N-nitrosodibutylamine (NDBA)	924-16-3/	N.D. ⁽¹⁾	
N-nitrosodiisobutylamine (NDIBA)	997-95-5		
N-nitrosodiisononylamine (NDINA)	1207995-62-7	N.D. ⁽¹⁾	
N-nitrosomorpholine (NMOR)	59-89-2	N.D. ⁽¹⁾	
N-nitrosopiperidine (NPIP)	100-75-4	N.D. ⁽¹⁾	
N-nitrosodibenzylamine (NDBZA)	5336-53-8	N.D. ⁽¹⁾	
N-nitroso-N-methyl-N-phenylamine (NMPHA)	614-00-6	N.D. ⁽¹⁾	
N-nitroso-N-ethyl-N-phenylamine (NEPHA)	612-64-6	N.D. ⁽¹⁾	
Total concentration		0.0025 mg/kg	<0.05 mg/kg

The Migration of N-Nitrosatable Substances From Elastomers			
N-nitrosodiethanolamine (NDELA)	1116-54-7	0.00088 mg/kg	
N-nitrosodimethylamine (NDMA)	62-75-9	0.258 mg/kg	
N-nitrosodiethylamine (NDEA)	55-18-5	0.0136 mg/kg	
N-nitrosodipropylamine (NDPA)/ N-nitrosodiisopropylamine (NDIPA)	621-64-7/ 601-77-4	N.D. ⁽¹⁾	
N-nitrosodibutylamine (NDBA) / N-nitrosodiisobutylamine (NDIBA)	924-16-3/ 997-95-5	N.D. ⁽¹⁾	
N-nitrosodiisononylamine (NDINA)	1207995-62-7	N.D. ⁽¹⁾	
N-nitrosomorpholine (NMOR)	59-89-2	N.D. ⁽¹⁾	
N-nitrosopiperidine (NPIP)	100-75-4	N.D. ⁽¹⁾	
N-nitrosodibenzylamine (NDBZA)	5336-53-8	N.D. ⁽¹⁾	
N-nitroso-N-methyl-N-phenylamine (NMPHA)	614-00-6	N.D. ⁽¹⁾	
N-nitroso-N-ethyl-N-phenylamine (NEPHA)	612-64-6	N.D. ⁽¹⁾	
Total concentration		0.272 mg/kg	<1.0 mg/kg

N.D.⁽¹⁾: Not detected