



<b>Prüfbericht - Nr.: 0114051556c 001</b>		Seite 1 von 4 Page 1 of 4	
<i>Test Report No.:</i>			
<b>Auftraggeber:</b> <i>Client:</i>	LUDAVI, INC, 6F-3, 378, Sec. 1, WenXin Rd., Taichung 408, Taiwan, R.O.C.		
<b>Gegenstand der Prüfung:</b> <i>Test Item:</i>	1 PP Lid, black and 1 Silicone sealing, translucence		
<b>Bezeichnung:</b> <i>Identification:</i>	LUDAVI water bottle		
<b>Anlieferungszustand:</b> <i>Delivery condition:</i>	apparent good	<b>Eingangsdatum:</b> <i>Date of Receipt:</i>	2016-05-31
<b>Prüfört:</b> <i>Testing location:</i>	TÜV Rheinland Hong Kong Ltd.		
<b>Prüfgrundlage:</b> <i>Test specification:</i>	Testing according to customers specification for the following parameters: Remaining Peroxides, Residual Catalyst (Pt), Nonylphenol, Colourfastness with reference to German LFGB §31 ( <i>Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch</i> )		
<b>Prüfergebnis:</b> <i>Test result:</i>	The test result are the measurements, stated in the test report.		
<b>geprüft: tested by:</b>		<b>kontrolliert: checked by:</b>	
			
2016-06-28	Anne Chen /Coordinator	2016-06-28	Carl Chang /Department Manager
<b>Datum</b> <i>Date</i>	<b>Name/Stellung</b> <i>Name/Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>
			<b>Name/Stellung</b> <i>Name/Position</i>
			<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges/ Other Aspects:</b>			
Test period: 2016-05-31 – 2016-06-21			
<b>Abkürzungen:</b>		<b>Abbreviations:</b>	
ok / P = entspricht Prüfgrundlage		ok / P = passed	
fail / F = entspricht nicht Prüfgrundlage		fail / F = failed	
n.a. / N = nicht anwendbar		n.a. / N = not applicable	
<b>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.</b> <i>This test report 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 safety mark on this or similar products.</i>			

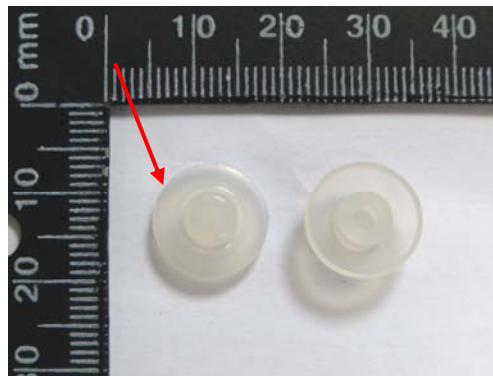
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2016-06-28

**Sampling list**

Lab.-No.: TCL160531-17

Mat. No.	Material	Color	Location
1	Plastic	Black	PP Lid
2	Elastomer	Translucence	Silicone sealing
3	Plastic	Black	PP Lid (cut)
4	Elastomer	Translucence	Silicone sealing (cut)

**Test Sample**


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## Test Results

### 1. Remaining Peroxides (Silicone)

Test method: The test was performed with reference to the 58<sup>th</sup> Communication on testing of plastics, Bundesgesundheitsbl. 40 (1997) 412

Limit: BfR Recommendations on Food Contact Materials (formerly "Plastics Recommendations") Part XV "Silicone"

Sample	LUDAVI water bottle (mat.2)			
Lab.-No.	TCL160531-17			
<b>Parameter</b>	<b>Unit</b>	<b>RL</b>	<b>Result</b>	<b>Limit</b>
Peroxides	%	0.01	n.d.	n.d.

Abbreviations: % = Percentage  
RL = Reporting Limit  
n.d. = Not detected (<Reporting Limit)  
< = Less than

The examined item does meet the requirement

### 2. Nonylphenol in Polymers

Test method: Organic solvent extraction, GC-MS

Limit: Nonylphenol is not a listed substance for the production of plastic materials acc. to Regulation (EU) No 10/2011, Annex I

Sample	LUDAVI water bottle (mat.3)			
Lab.-No.	TCL160531-17			
<b>Parameter</b>	<b>Unit</b>	<b>RL</b>	<b>Result</b>	<b>Technically Preventable Limit</b>
Nonylphenol	mg/kg	5	n.d.	5

Abbreviations: n.d. = Not detected (<Reporting Limit)  
RL = Reporting Limit  
mg/kg = Milligram per kilogram

The examined item does meet the requirement

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### 3. Residual Catalyst

Test method: The synthetic material is dissolved by acid digestion. The concentration of platinum was determined by means of ICP-OES.

Limit: BfR Recommendations on Food Contact Materials (formerly "Plastics Recommendations") Part XV, 2011 "Silicone"

Sample	LUDAVI water bottle (mat.4)			
Lab.-No.	TCL160531-17			
<b>Parameter</b>	<b>Unit</b>	<b>RL</b>	<b>Result</b>	<b>Limit</b>
Platinum	mg/kg	10	n.d.	50

Abbreviations:

n.d. = Not detected (<Reporting Limit)

RL = Reporting Limit

mg/kg = Milligram per kilogram

The examined item does meet the requirement

### 4. Colourfastness

Test method: 24th Communication on the testing of plastics in Bundesgesundheitsbl. 15 (1972) 285

Requirement: BfR Recommendations on Food Contact Materials (formerly "Plastics Recommendations") Part IX "Colorants for Plastics and other Polymers used in Commodities" - *No transfer of colorants to foodstuffs is permitted*

Sample	LUDAVI water bottle (mat.1)
Lab.-No.	TCL160531-17
<b>Parameter – Colourfastness to</b>	<b>Difference between blank and filter paper contacted with sample</b>
Water	No
Acetic acid 3 %	No
Ethanol 50 %	No
Oil	No

The examined item does meet the requirement

--- End of Test-Report ---