

SGS Germany GmbH Weidenbaumsweg 137 21035 Hamburg

Renner Italia S.p.A.
Ms. Alessia Piaccia
Via Ronchi Inferiore 34
40061 MINERBIO BOLOGNA
ITALIEN

Test Report 2192451

Order No. 3040394

Customer No. 10124282

Lars Rueckborn
Phone 40 30101-681
Fax 40 30101-943
lars.rueckborn@sgs.com



Consumer Testing Services
Food & Beverages

SGS Germany GmbH
Weidenbaumsweg 137
21035 Hamburg

Hamburg, 26.06.2014

Your order/project: IKEA specification IOS-PRG-0021
Your purchase order date: 15.05.2014

SGS Germany

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i.V. Ingrid Bujara / i.V. Dr. Sven-Erik Knopp / i.V. Lars Rückborn /
i.A. Mandy Elias / i.A. Catherine Herzog (Analytical Consultants CTS Food)

General Information:

Sample No.:	140689515
Sample:	Vegetable Oil AS-M022/--
Date of receipt:	19.06.2014
Testing period (begin / end):	20.06.2014 / 26.06.2014
Packaging:	original packaging
Quantity	1l

Test Results:

Parameter	Method	Lab	Result
Sensorical analysis:			
Appearance	DIN 10964, mod.	HH	yellow, brilliant, no impurities
Odour	DIN 10964, mod.	HH	slightly ligneous, no smell of solvents

Parameter	Method	Lab	Unit	Result	Limit of quantification	Requirements
Constituents:						
Peroxide value	DIN EN ISO 3960, titration	HH	mvalO ₂ /kg	7,8	0,1	< 20

Minerals/metals:

Parameter	Method	Lab	Unit	Result	Limit of quantification	Requirements
Lead	DIN EN 15763 mod., SOP M 1474, ICP/MS	HH	mg/kg	< 0,02	0,02	< 1
Cadmium	DIN EN 15763 mod., SOP M 1474, ICP/MS	HH	mg/kg	< 0,01	0,01	< 1
Mercury	DIN EN 15763 mod., SOP M 1474, ICP/MS	HH	mg/kg	< 0,010	0,010	<0,1
Arsenic	DIN EN 15763 mod., SOP M 1474, ICP/MS	HH	mg/kg	< 0,04	0,04	< 0,1

Sample 140689515	Vegetable Oil; AS-M022/--					
Parameter	Method	Lab	Unit	Result	Limit of quantification	Requirements

PAH						
Benzo(a)anthracene	SOP M 2920, GC/MS	HH	µg/kg	0,5	0,2	
Benzo(c)fluorene	SOP M 2920, GC/MS	HH	µg/kg	< 0,5	0,5	
Chrysene	SOP M 2920, GC/MS	HH	µg/kg	0,6	0,2	
Cyclopenta(c,d)pyrene	SOP M 2920, GC/MS	HH	µg/kg	< 0,2	0,2	
5-Methylchrysene	SOP M 2920, GC/MS	HH	µg/kg	< 0,2	0,2	
Benzo(b)fluoranthene	SOP M 2920, GC/MS	HH	µg/kg	0,7	0,2	
Benzo(k)fluoranthene	SOP M 2920, GC/MS	HH	µg/kg	0,4	0,2	
Benzo(j)fluoranthene	SOP M 2920, GC/MS	HH	µg/kg	0,3	0,2	
Benzo(a)pyrene	SOP M 2920, GC/MS	HH	µg/kg	0,5	0,2	< 2
Indeno(1,2,3-cd)pyrene	SOP M 2920, GC/MS	HH	µg/kg	0,4	0,2	
Dibenzo(ah)anthracene	SOP M 2920, GC/MS	HH	µg/kg	< 0,2	0,2	
Benzo(ghi)perylene	SOP M 2920, GC/MS	HH	µg/kg	0,6	0,2	
Dibenzo(a,l)pyrene	SOP M 2920, GC/MS	HH	µg/kg	< 0,5	0,5	
Dibenzo(a,e)pyrene	SOP M 2920, GC/MS	HH	µg/kg	< 0,5	0,5	
Dibenzo(a,i)pyrene	SOP M 2920, GC/MS	HH	µg/kg	< 0,5	0,5	
Dibenzo(a,h)pyrene	SOP M 2920, GC/MS	HH	µg/kg	< 0,5	0,5	
Sum PAH 4 (Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene)	calculated	HH	µg/kg	2,3	0,2	< 10
Sum PAH total	calculated	HH	µg/kg	4,0	0,2	<25

Organic solvents:						
Benzene	SOP AAC/M/510, HS-GC/MS	HH	mg/kg	0,12	0,03	< 1
Toluene	SOP AAC/M/510, HS-GC/MS	HH	mg/kg	0,10	0,03	< 10
Ethylbenzene	SOP AAC/M/510, HS-GC/MS	HH	mg/kg	0,06	0,03	< 10
m,p-Xylene	SOP AAC/M/510, HS-GC/MS	HH	mg/kg	0,19	0,03	
o-Xylene	SOP AAC/M/510, HS-GC/MS	HH	mg/kg	0,04	0,03	
Sum m,p-Xylene and o-Xylene	calculated	HH	mg/kg	0,23	0,03	< 30
Chloroform	SOP AAC/M/510, HS/GC-MS	HH	mg/kg	< 0,01	0,01	< 1
Dichloromethane	SOP AAC/M/510, HS/GC-MS	HH	mg/kg	< 0,01	0,01	
Trichloroethylene	SOP AAC/M/510, HS/GC-MS	HH	mg/kg	< 0,01	0,01	< 1
1,1,1-Trichloroethane	SOP AAC/M/510, HS/GC-MS	HH	mg/kg	< 0,01	0,01	< 1
Tetrachloroethylene	SOP AAC/M/510, HS/GC-MS	HH	mg/kg	< 0,01	0,01	< 1
Carbon tetrachloride	SOP AAC/M/510, HS/GC-MS	HH	mg/kg	< 0,01	0,01	< 1

Assessment/Comment:

This sample meets the requirements laid down in the IKEA-specification IOS-PRG-0021 (Version AA-31847-7, Date: 2011-10-14).