

Palermo, 19/02/2020

**Certificate of analysis N°601/20**

<b>Client:</b>	SANUSLIFE® INTERNATIONAL GMBH/SRL Manötsch 15 39053 KARNEID (BZ)
<b>Sample received on:</b>	17/02/2020
<b>Analysis started on:</b>	19/02/2020
<b>Sample description:</b>	<b>ECAIA® carafe</b> 1) Pitcher Main lid, Lid nose piece, Lid flow valve (ABS) 2) Pitcher tank(PC) 3) Pitcher body (PC) 4) Filter body, Filter lid, Filter middle floor (PP) 5) Top and bottom filter net (Stainless steel)

ANALYSIS	RESULT	METHOD	Limit of quantification	Limit
Migration test <b>in water simulant</b> - Test conditions	Migration test was carried out by immersing in the simulant a sample in the following conditions: contact time: t = 24 hours contact temperature: T = 40°C	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08		
Sample 1) - Surface to volume <b>Global migration</b> in Distilled water(SIM A)	0,6 / 0,08 dm <sup>2</sup> / dm <sup>3</sup> 3 mg/dm <sup>2</sup>	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 2) - Surface to volume <b>Global migration</b> in Distilled water(SIM A)	0,6 / 0,08 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 3) - Surface to volume <b>Global migration</b> in Distilled water(SIM A)	0,6 / 0,08 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 5) - Surface to volume <b>Global migration</b> in Distilled water(SIM A)	0,6 / 0,08 dm <sup>2</sup> / dm <sup>3</sup> 2 mg/dm <sup>2</sup>	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 5) - Surface to volume <b>Global migration</b> in Distilled water(SIM A)	0,6 / 0,08 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>

ANALYSIS	RESULT	METHOD	Limit of quantification	Limit
Sample 3) Specific migration of Bisphenol A in Distilled water	< LOQ	GC-FID	0,6 mg/kg	3 mg/kg

ANALYSIS	RESULT	METHOD	Limit of quantification	Limit
Migration test in acid simulant - Test conditions	Migration test was carried out by immersing in the simulant a sample in the following conditions: contact time: t = 10 days temperature: T = 40°C	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08		
Sample 1) - Surface to volume Global migration in Acetic acid 3 % (SIM B)	0,6 / 0,3 dm <sup>2</sup> / dm <sup>3</sup> 4,8 mg/dm <sup>2</sup>	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 2) - Surface to volume Global migration in Acetic acid 3 % (SIM B)	0,6 / 0,3 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 3) - Surface to volume Global migration in Acetic acid 3 % (SIM B)	0,6 / 0,3 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 4) - Surface to volume Global migration in Acetic acid 3 % (SIM B)	0,6 / 0,3 dm <sup>2</sup> / dm <sup>3</sup> 2,6 mg/dm <sup>2</sup>	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 5) - Surface to volume Global migration in Acetic acid 3 % (SIM B)	0,6 / 0,3 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>

ANALYSIS	RESULT	METHOD	Limit of quantification	Limit
Sample 3) Specific migration of Bisphenol A in Acetic acid 3 %	< LOQ	GC-FID	0,6 mg/kg	3 mg/kg

ANALYSIS	RESULT	METHOD	Limit of quantification	Limit
Sample 5) Specific migration of Nichel in Acetic acid 3 %	0,02 mg/kg	ICP-AES	0,01 mg/kg	< 100 mg/kg Σ Ni Cr Mn
Sample 5) Specific migration of Chromium in Acetic acid 3 %	0,01 mg/kg	ICP-AES	0,01 mg/kg	
Sample 5) Specific migration of Manganese in Acetic acid 3 %	< LOQ	ICP-AES	0,01 mg/kg	

ANALYSIS	RESULT	METHOD	Limit of quantification	Limit
Migration test in alcoholic simulant - Test conditions	Migration test was carried out by immersing in the simulant a sample in the following conditions: contact time: t = 10 days contact temperature: T = 40°C	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08		
Sample 1) - Surface to volume Global migration in Ethanol 50 % (SIM C)	4,2 / 0,7 dm <sup>2</sup> / dm <sup>3</sup> 8 mg/dm <sup>2</sup>	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 2) - Surface to volume Global migration in Ethanol 50 % (SIM C)	4,2 / 0,7 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 3) - Surface to volume Global migration in Ethanol 50 % (SIM C)	4,2 / 0,7 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 4) - Surface to volume Global migration in Ethanol 50 % (SIM C)	4,2 / 0,7 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 5) - Surface to volume Global migration in Ethanol 50 % (SIM C)	4,2 / 0,7 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>

ANALYSIS	RESULT	METHOD	Limit of quantification	Limit
Sample 1) Specific migration of acrylonitrile in Ethanol 50 %	< LOQ	GC-MS	0,5 mg/kg	3 mg/kg

ANALYSIS	RESULT	METHOD	Limit of quantification	Limit
Sample 3) Specific migration of Bisphenol A in Ethanol 50 %	< LOQ	GC-FID	0,6 mg/kg	3 mg/kg

ANALYSIS	RESULT	METHOD	Limit of quantification	Limit
Migration test in fat simulant - Test conditions	Migration test was carried out by immersing in the simulant a sample in the following conditions: contact time: t = 10 days contact temperature: T = 40°C	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08		
Sample 1) - Surface to volume Global migration in olive oil (SIM D)	0,6 / 0,08 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 2) - Surface to volume Global migration in olive oil (SIM D)	0,6 / 0,08 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 3) - Surface to volume Global migration in olive oil (SIM D)	0,6 / 0,08 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 4) - Surface to volume Global migration in olive oil (SIM D)	0,6 / 0,08 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>
Sample 5) - Surface to volume Global migration in olive oil (SIM D)	0,6 / 0,08 dm <sup>2</sup> / dm <sup>3</sup> < LOQ	DM 21/03/1973; DM 220/93; DM 735/94; DM 338/98; DM 123/03; DM 299/05; DM 174/08	1,0 mg/dm <sup>2</sup>	10 mg/dm <sup>2</sup>

ANALYSIS	RESULT	METHOD	Limit of quantification	Limit
Sample 3) Specific migration of Bisphenol A in olive oil	< LOQ	GC-FID	0,6 mg/kg	3 mg/kg