



**Analytical report – Summary page**

**Customer:** Rutland Screen Printing Products  
Rutland Europ Ltd. 26-28 Eldon Way  
TN12 6BE Paddock Wood. Kent  
United Kingdom

**Contact person:** Tony Chapman  
**Date of order:** 08.05.2009

**Customers reference no.:** EF UNSE, PLFX-E, PLAE, PAGE, FOIL-E, PRPE, PRLE  
**Description:** 10. Liberty EF Specialty Clears  
**Sampling:** by client

The test results of the analyzed samples

**-- PASS --**


the Nike RSL limits.

(see attached analytical report)

**Analytical report**

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Customers reference no.	EF UNSE, PLFX-E, PLAE, PAGE, FOIL-E, PRPE, PRLE	Lab reference no.:	2009-AS-19767-1	 299795
Description:	10. Liberty EF Specialty Clears	Sample / part of sample description:	Ink	
Parameter * [unit]	Nike RSL limit	Standard / Method		Result
pH-value	4.0 - 7.5	DIN EN ISO 3071 method B		5.5
Formaldehyde (kids) [mg/kg]	< 20	ISO 14184-1		n.d.
Formaldehyde (adults) [mg/kg]	< 75	ISO 14184-1		n.d.
6 Phthalates listed in appendix [mg/kg]	Single or sum of 6 Phthalates <500	Nike inhouse method / extraction with THF/MeOH followed by HPLC-MS analysis		n.d.
Organotin compounds - TBT [mg/kg]	< 0.5	Ethanol extraction, derivatisation, followed by GC-MS analysis; reporting limit: 0.1 mg/kg		n.d.
Organotin compounds - TPhT [mg/kg]	< 0.5	Ethanol extraction, derivatisation, followed by GC-MS analysis; reporting limit: 0.1 mg/kg		n.d.
Sum of TBT and TPhT [mg/kg]	< 0.5	Ethanol extraction, derivatisation, followed by GC-MS analysis; reporting limit: 0.1 mg/kg		n.d.
Organotin compounds - DBT [mg/kg]	info only	Ethanol extraction, derivatisation, followed by GC-MS analysis; reporting limit: 0.1 mg/kg		n.d.
Organotin compounds - MBT [mg/kg]	info only	Ethanol extraction, derivatisation, followed by GC-MS analysis; reporting limit: 0.1 mg/kg		n.d.
Organotin compounds - TeBT [mg/kg]	info only	Ethanol extraction, derivatisation, followed by GC-MS analysis; reporting limit: 0.1 mg/kg		n.d.
MOT [mg/kg]	info only	Ethanol extraction, derivatisation, followed by GC-MS analysis; reporting limit: 0.1 mg/kg		n.d.
DOT [mg/kg]	info only	Ethanol extraction, derivatisation, followed by GC-MS analysis; reporting limit: 0.1 mg/kg		n.d.
Nonylphenol-ethoxylates, NPEO [mg/kg]		Solvent extraction and analysis by LC-DAD or LC-MS; quantification based on Ethylan 77 (2-14 EO units); only compounds with 2-14 ethoxylate units quantified; detection limit: 50 mg/kg		n.d.

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**Consumer Product Services Germany GmbH**



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<b>Customers reference no.</b>	<b>EF UNSE, PLFX-E, PLAE, PAGE, FOIL-E, PRPE, PRLE</b>	<b>Lab reference no.:</b>	<b>2009-AS-19767-1</b>	 299795
Description:	10. Liberty EF Specialty Clears	Sample / part of sample description:	Ink	
Parameter * [unit]	Nike RSL limit	Standard / Method		Result
Octylphenol-ethoxylates, OPEO [mg/kg]		Solvent extraction and analysis by LC-DAD or LC-MS; quantification based on Triton X 100 (2-17 EO); only compounds with 2-17 ethoxylate units quantified; detection limit: 50 mg/kg		n.d.
Total metal content - Antimony [mg/kg]		Microwave digestion with HNO3/H2O2 and ICP-MS analysis		1.4
Total metal content - Arsenic [mg/kg]		Microwave digestion with HNO3/H2O2 and ICP-MS analysis		n.d.
Total metal content - Cadmium [mg/kg]		Microwave digestion with HNO3/H2O2 and ICP-MS analysis		n.d.
Total metal content - Chromium [mg/kg]		Microwave digestion with HNO3/H2O2 and ICP-MS analysis		n.d.
Total metal content - Cobalt [mg/kg]		Microwave digestion with HNO3/H2O2 and ICP-MS analysis		n.d.
Total metal content - Lead [mg/kg]		Microwave digestion with HNO3/H2O2 and ICP-MS analysis		n.d.
Total metal content - Mercury [mg/kg]		Microwave digestion with HNO3/H2O2 and ICP-MS analysis		n.d.
Total metal content - Nickel [mg/kg]		Microwave digestion with HNO3/H2O2 and ICP-MS analysis		n.d.

**legend:**                      **n.d.** = not detected                      \* see list of tested compounds

The result relates only to the tested item. Samples are not stored longer than 3 months. The report shall not be reproduced except full without the written approval of the testing laboratory. Parameters which are not covered by the lab's testing scope are subcontracted to laboratories with government approval. The accreditation relates to competences given in the accreditation certificate.

The analyses of mixed swatches is carried out at customer's special request and may imply a modification of the test standard. Please note that for results of mixed swatches below a given limit any single sample may exceed this limit. According to test specification separate testing is recommended in these cases.

12.05.2009 - 19.05.2009

total run time



signature of chemist / manager

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## \* List of tested compounds

### Phthalates

<i>Name</i>	<i>CAS-No.</i>
Di-iso-nonylphthalate, DINP	28553-12-0
Di-n-octylphthalate, DNOP	117-84-0
Di(2-ethylhexyl)phthalate, DEHP	117-81-7
Di-iso-decylphthalate, DIDP	26761-40-0
Butylbenzylphthalate, BBP	85-68-7
Dibutylphthalate, DBP	84-74-2

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