

CENTRO TECNOLÓGICO DE POLÍMEROS SENAI

TEST REPORT Nº 61/14 (S)

CUSTOMER: Mould Matrizes
RS 239, nº 471
Sapiranga – RS

SAMPLE DESCRIPTION:

Sample of footwear constituted by two polymeric materials, color black, identified by the customer as “1140 – Osaka / Style 100”. Order test n 61/14, 07.01.2014.

SAMPLING:

The sample was selected by the customer.

REQUIRED TEST:

Determination of phthalates content in the sample analyzed

Test Parameters	Result	
Chemical Tests	A1+A2+A3	A4
Phtalates	M	M

M= Meets's client
requirement

Notes	Conclusions on meet/fail are based on test result from the actual sampling of received sample(s).
This report includes phtalates test results for the test required components on the received sample according to Statement 61/14 dated 7th of January 2014	

List of Materials for Chemical Tests

Sample	Sample Description	Material Number	Component	Material	Colour
A	slipper	A1	upper main	Plastic	black
A	slipper	A2	outsole	Plastic	black
A	slipper	A3	Back main	Plastic	black
A	slipper	A4	insole	Sponge	black

The result(s) is (are) valid exclusively to the samples tested.

The reproduction of this report can only be made integrally with no modification and depends of written approval.

In we do not make responsible them for any copy emitted for customers or for third, whichever its nature (electronic, xerographic,...).

CENTRO TECNOLÓGICO DE POLÍMEROS SENAI

RESULTS:

The following phthalates were evaluated:

Dimethyl Phthalate (DMP);
 Diethyl Phthalate (DEP);
 Dibutyl Phthalate (DBP);
 Benzyl Butyl Phthalate (BBP);
 Di(2-ethylhexyl) Phthalate (DEHP);
 Dioctyl Phthalate (DNOP);
 Diisodecyl Phthalate (DIDP);
 Diisononyl Phthalate (DINP).

The test results are presented in the table below:

Sample	Phthalates								Conclusion
	DMP %	DEP %	DBP %	BBP %	DEHP %	DNOP %	DIDP %	DINP %	
A1+A2+A3	nd	nd	nd	nd	nd	nd	nd	nd	Pass
A4	nd	nd	nd	nd	nd	nd	nd	nd	Pass

SPECIFICATION:

Values adopted according European regulation:

Maximum: 0,1%

1 mg/kg = 0,0001% by weight in homogeneous

n.d. = not detected, lower than the method detection limit

* exceed the limit

<= less than

METHOD/PROCEDURE:

The samples was tested according to ABNT NBR 15403 (2010). The sample was extracted with n-hexane and subsequently analyzed by gas chromatography using flame ionization detector (FID) and mass spectrometry detector (MS).

Two standards were used in the tests:

Calibration standard: Phthalates Mix

Internal calibration standard: Benzyl benzoate

Detection Limit of the Method: 0,0030% (w/w)

(0,003% = 30 ppm)

(0,1% = 1000 ppm)

The result(s) is (are) valid exclusively to the samples tested.

The reproduction of this report can only be made integrally with no modification and depends of written approval.

In we do not make responsible them for any copy emitted for customers or for third, whichever its nature (electronic, xerographic,...).

CENTRO TECNOLÓGICO DE POLÍMEROS SENAI

TEST REPORT Nº 61/14 (S)

Sample Photo



The result(s) is (are) valid exclusively to the samples tested.

The reproduction of this report can only be made integrally with no modification and depends of written approval.

In we do not make responsible them for any copy emitted for customers or for third, whichever its nature (electronic, xerographic,...).