

New Zealand Leather & Shoe Research Association Inc.



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LASRA Technical Report

Report reference : AC-13-98-1
AC-13-120-1
AC-13-129-1
Date sample received : 15/02/13
Date of report : 01/03/13
Client order number : n/a

Sample Information

Reference : Undated letters Duncan Korsten
Description : One shoe style (720901 Little Star Dress Shoe)

Test Results

We have completed our analysis of this shoe style for phthalates, based on method ISO/TS 16181:2011, using an ultrasound extraction procedure.

The sample was referenced:

720901 Little Star Dress Shoe as per the following photograph.



Our results were as follows:

Limits of Detection (%)							
Phthalate	Di-butyl phthalate (DBP)	Butyl benzyl phthalate (BBP)	Di-(2-ethylhexyl) phthalate DEHP	Di-n-octyl phthalate (DNOP)	Di-iso-nonyl phthalate (DINP)	Di-iso-decyl phthalate (DIDP)	Di-isobutyl phthalate (DIBP)
(%)	0.0005 0.005(sole)	0.0005 0.005(sole)	0.0005 0.005(sole)	0.0005 0.005(sole)	0.0025 0.075(sole)	0.0025 0.075(sole)	0.0005 0.005(sole)

ND= none detected

Velcro	
Phthalate	Results (%)
Di-butyl phthalate (DBP)	ND
Butyl benzyl phthalate (BBP)	ND
Di-(2-ethylhexyl) phthalate DEHP	ND
Di-n-octyl phthalate (DNOP)	ND
Di-iso-nonyl phthalate (DINP)	ND
Di-iso-decyl phthalate (DIDP)	ND
Di-isobutyl phthalate (DIBP)	ND

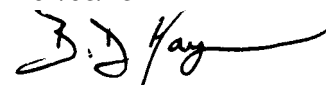
Insole	
Phthalate	Results (%)
Di-butyl phthalate (DBP)	ND
Butyl benzyl phthalate (BBP)	ND
Di-(2-ethylhexyl) phthalate DEHP	0.00199
Di-n-octyl phthalate (DNOP)	ND
Di-iso-nonyl phthalate (DINP)	ND
Di-iso-decyl phthalate (DIDP)	ND
Di-isobutyl phthalate (DIBP)	ND

Footbed	
Phthalate	Results (%)
Di-butyl phthalate (DBP)	ND
Butyl benzyl phthalate (BBP)	ND
Di-(2-ethylhexyl) phthalate (DEHP)	0.00369
Di-n-octyl phthalate (DNOP)	ND
Di-iso-nonyl phthalate (DINP)	ND
Di-iso-decyl phthalate (DIDP)	0.0025
Di-isobutyl phthalate (DIBP)	ND

Sole	
Phthalate	Results (%)
Di-butyl phthalate (DBP)	ND
Butyl benzyl phthalate (BBP)	ND
Di-(2-ethylhexyl) phthalate (DEHP)	0.00690
Di-n-octyl phthalate (DNOP)	ND
Di-iso-nonyl phthalate (DINP)	ND
Di-iso-decyl phthalate (DIDP)	ND
Di-isobutyl phthalate (DIBP)	ND

analyses/assessment by : MP
 data checked by : BH
 report checked by : GH
 date : 01/03/13

signed :



Technical Services: 2.33

designation of signee : Brendon Hayman
 Laboratory Supervisor