



AUBURN LEATHER COMPANY

Color Group Testing

Laboratory Test Certificate Number: 24597

ISO 17025 LIMS Audit Trail Number: 10-01111 (-001 to -015)

REPORT AUTHORIZED BY: Steve D. Lange (Director)
9/26/2014

Page 1 of 7
Laboratory Test Certificate #24597 (Auburn Leather Co.)



SAMPLE INFORMATION

Client	Auburn Leather Company 125 Caldwell Street Auburn, KY 42206
Contact	Jimmy Pinson
Samples	Received 15 color groups of crust chrome tanned lace leather identified as followed:
	Group 1: #44 Cinnamon, #07 Nubuck, #20T Red
	Group 2:#100 Black, #97 Dark Shadow
	Group 3: #215 Chestnut., #22 Dark Rust, #24 Bean Cherokee, 30SH Tan
	Group 4: #11 Dark Coffee, #17 Dark Brown, #12 Badger Brown
	Group 5: #14 Chocolate. #14T Dark Chocolate, #85 Bark
	Group 6: #03 Cherokee, #42 Burnt Sienna, #03A Dark Cherokee
	Group 7: #45 White, #45SR White, #801 Rice, #50 Pearl Grey
	Group 8: #47 Calice, #49 Birch
	Group 9: #61 Desert Sand, #62 Bulldog, #64 Havana
	Group 10: #67 Seaweed, #67T Seaweed
	Group 11: #65 Tan, #43 Dark Beige, #08 Delaware
	Group 12: #72 Coral Rose, #91 Scarlet Red
	Group 13: #48 Wild Dove, #51 Gargoyle
	Group 14: #814 Citrus, #59 Canary Yellow
Group 15: #93 Chicory Blue, #95 Wildcat, #803 Navy Blue	
Date received	September 11, 2014
Request	Determine Azo dye, Lead & Cadmium content of the color group composites.

TEST PROCEDURES

CPSC-CH-E1002-08.1

Standard Operating Procedure for Determining Total Lead (Pb)

in Non-Metal Children's Products.

Modified to include Cadmium

ISO 17234-1 (IULTCS/IUC 20-1)

Leather — Chemical tests for the determination of certain azo colorants in dyed leathers

Part 1

LEAD RESULTS

Table 1. LEAD CONTENT

COLOR GROUP	Sample A	Sample B	Average
Group 1	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 2	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 3	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 4	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 5	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 6	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 7	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 8	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 9	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 10	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 11	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 12	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 13	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 14	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)
Group 15	<0.67 (ND)	<0.67 (ND)	<0.67 (ND)

ND: Not Detected

CADMIUM RESULTS

Table 2. CADMIUM CONTENT

COLOR GROUP	Sample A	Sample B	Average
Group 1	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 2	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 3	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 4	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 5	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 6	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 7	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 8	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 9	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 10	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 11	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 12	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 13	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 14	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)
Group 15	<0.100 (ND)	<0.100 (ND)	<0.100 (ND)

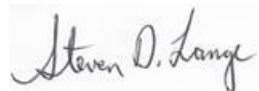
ND: Not Detected

AZO DYE RESULTS

Table 3. Azo Dyes

Color Group	AROMATIC AMINE	CAS number	Concentration (ppm)
1	biphenyl-4-ylamine, 4-aminobiphenyl xenylamine	92-67-1	< 30 (ND)
2	benzidine	92-87-5	< 30 (ND)
3	4-chloro-o-toluidine	95-69-2	< 30 (ND)
4	2-naphthylamine	91-59-8	< 30 (ND)
5	o-aminoazotoluene 4-amino-2',3-dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3	< 30 (ND)
6	5-nitro-o-toluidine	99-55-8	< 30 (ND)
7	4-chloroaniline	106-47-8	< 30 (ND)
8	4-methoxy-m-phenylenediamine	615-05-4	< 30 (ND)
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9	< 30 (ND)
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	< 30 (ND)
11	3,3'-dimethoxybenzidine o-dianisidine	119-90-4	< 30 (ND)
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	< 30 (ND)
13	4,4'-methylenedi-o-toluidine	838-88-0	< 30 (ND)
14	6-methoxy-m-toluidine, p-cresidine	120-71-8	< 30 (ND)
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	< 30 (ND)
16	4,4'-oxydianiline	101-80-4	< 30 (ND)
17	4,4'-thiodianiline	139-65-1	< 30 (ND)
18	o-toluidine 2-aminotoluene	95-53-4	< 30 (ND)
19	4-methyl-m-phenylenediamine	95-80-7	< 30 (ND)
20	2,4,5-trimethylaniline	137-17-7	< 30 (ND)
21	o-anisidine, 2-methoxyaniline	90-04-0	< 30 (ND)
22	4-amino azobenzene	60-09-3	< 30 (ND)

ND = none detected



Steven D. Lange
Director



Cietta Fambrough
Research Associate

IMPORTANT INFORMATION

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