



APPLIED TECHNICAL SERVICES, INCORPORATED

1049 Triad Court, Marietta, Georgia 30062 • (770) 423-1400 Fax (770) 424-6415

CHEMICAL TEST REPORT

Ref. C133894

Date December 17, 2008

Page 1 of 11

Customer: Shirts & Caps, Inc. 38530 5th Avenue, Zephyrills, FL 33542

Attention: Eric Hilferding

Purchase Order #: TBA

Part #/Name: Various (see Test Results table below)

Material Designation: Inks and threads

Special Requirement: Samples prepared using microwave digestion techniques for lead analyzed.

Lab Comment: ICP atomic emission techniques utilized to analyze for lead as per ASTM E1479-99(2005).

Test Results

Composition: (parts per million)

Identification	Pb						
16 C.F.R. 1303 requirements	600 Max.						
GYS-1 Autosol 7000 Batch Emulsion & Screen Ink	<7						
GYS-2 Chromoblast Ink Sublimation	<6						
GYS-3 Chromoblast Sublimation	<6						
GYS-4 Chromoblast Ink Sublimation	<6						
GYS-5 Ying Fong Thread on Lion Patch	<6						
GYS-6 Ying Fong Thread on Pheonix Patch	<5						
GYS-7 Wrist Coil Blue	<7						
GYS-8 Wrist Coil Purple	<7						
GYS-9 Light Gray Epic MX Ink	<7						
GYS-10 Dark Gray Epic MX Ink	<7						
GYS-11 Light Blue Epic MX Ink	<7						
GYS-12 Columbia Blue Epic MX Ink	<6						

Prepared by:

D. M. McKay
Senior Chemist

Approved by:

P. E. Rogers
Manager



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Identification	Pb						
16 C.F.R. 1303 requirements	600 Max.						
GYS-13 Cream Epic MX Ink	<6						
GYS-14 Khaki/Light Tan Epic MX Ink	<5						
GYS-15 Lemon Yellow Epic MX Ink	<6						
GYS-16 Gold Epic Ink	<7						
GYS-17 Lavender Epic MX Ink	<8						
GYS-18 Medium Purple Epic MX Ink	<6						
GYS-19 Deep Purple Epic MX Ink	<5						
GYS-20 Royal Epic MX Ink	<5						
GYS-21 Peacock Epic MX Ink	<7						
GYS-22 Teal Blue Epic MX Ink	<7						
GYS-23 Turquoise Epic MX Ink	<6						
GYS-24 Navy Epic MX Ink	<5						

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Identification	Pb						
16 C.F.R. 1303 requirements	600 Max.						
GYS-25 Old Gold Epic MX Ink	<7						
GYS-26 Lime Green Epic MX Ink	<6						
GYS-27 Spring Green Epic MX Ink	<8						
GYS-28 Kelly Green Epic MX Ink	<6						
GYS-29 Teal Green/Jade Epic MX Ink	<7						
GYS-30 Forest Green Epic MX Ink	<7						
GYS-31 Salmon Epic MX Ink	<6						
GYS-32 Orange Epic MX Ink	<7						
GYS-33 Orange-Red Epic MX Ink	<6						
GYS-34 Red Epic MX System Ink	<7						
GYS-35 Cardinal Red Epic MX Ink	<6						
GYS-36 Maroon Epic MX Ink	<6						

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Composition: (parts per million)

Identification	Pb						
16 C.F.R. 1303 requirements	600 Max.						
GYS-37 Texas Orange Epic MX Ink	<7						
GYS-38 Milk Choc. Brown Epic MX Ink	<6						
GYS-39 Dark Choc. Brown Epic MX Ink	<5						
GYS-40 Light Pink Epic MX Ink	<7						
GYS-41 Flou. Magenta Epic MX Ink	<7						
GYS-42 Dark Magenta Epic MX Ink	<7						
GYS-43 Flou. Pink Epic MX Ink	<7						
GYS-44 Safety Orange Epic MX Ink	<6						
GYS-45 Cotton White Epic MX Ink	<7						
GYS-46 LB White Epic MX Ink	<7						
GYS-47 PF White Epic MX Ink	<6						
GYS-48 HD Clear Epic MX Ink	<8						

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Test Results

Composition: (parts per million)

Identification	Pb						
16 C.F.R. 1303 requirements	600 Max.						
GYS-49 PF Exterior Base Epic MX Ink	<8						
GYS-50 PF Flou. Yellow Epic MX Ink	<7						
GYS-51 PF Yellow Epic MX Ink	<8						
GYS-52 Yellow NM Epic MX Ink	<8						
GYS-53 PF Orange Epic MX Ink	<7						
GYS-54 PF Flou. Pink Epic MX Ink	<6						
GYS-55 PF Flou. Purple Epic MX Ink	<7						
GYS-56 Stahl Thermo-Film Vinyl Hot Pressed Letters	<6						
GYS-57 PF Flou. Red Epic MX Ink	<5						
GYS-58 Red NM Epic MX Ink	<7						
GYS-59 PF Magenta Epic MX Ink	<8						
GYS-60 PF Red Epic MX Ink	<7						

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Identification	Pb					
16 C.F.R. 1303 requirements	600 Max.					
GYS-61 PF Green Epic MX Ink	<6					
GYS-62 PF Marine Epic MX Ink	<6					
GYS-63 PF Blue Epic MX Ink	<5					
GYS-64 PF Violet Epic MX Ink	<6					
GYS-65 PF Flou. Blue Epic MX Ink	<6					
GYS-66 PF Black Epic MX Ink	<7					
GYS-67 Columbia Blue Isacord Thread	<6					
GYS-68 Deep Purple Isacord Thread	<6					
GYS-69 Cardinal Red Isacord Thread	<7					
GYS-70 Forest Green Isacord Thread	<8					
GYS-71 Kelly Green Isacord Thread	<5					
GYS-72 Navy Isacord Thread	<5					

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Test Results

Composition: (parts per million)

Identification	Pb						
16 C.F.R. 1303 requirements	600 Max.						
GYS-73 Royal Blue Isacord Thread	<6						
GYS-74 Lemon Yellow Isacord Thread	<6						
GYS-75 Orange Isacord Thread	<6						
GYS-76 Lime Green Isacord Thread	<7						
GYS-77 Khali-Lt. Tan Isacord Thread	<7						
GYS-78 Milk Choc. Brown Isacord Thread	<8						
GYS-79 Light Blue Isacord Thread	<6						
GYS-80 Lavender Isacord Thread	<7						
GYS-81 Orange-Red Isacord Thread	<6						
GYS-82 Gold Isacord Thread	<5						
GYS-83 Maroon Isacord Thread	<7						
GYS-84 Peacock Blue Isacord Thread	<7						

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Composition: (parts per million)

Identification	Pb						
16 C.F.R. 1303 requirements	600 Max.						
GYS-85 Black Isacord Thread	<7						
GYS-86 Cream Isacord Thread	<8						
GYS-87 White Isacord Thread	<6						
GYS-88 Old Gold Isacord Thread	<7						
GYS-89 Red Isacord Thread	<6						
GYS-90 Turquoise Isacord Thread	<6						
GYS-91 Metallic Gold Isacord Thread	<7						
GYS-92 Flou. Pink Isacord Thread	<6						
GYS-93 Teal Green/Jade Isacord Thread	<6						
GYS-94 Light Pink Isacord Thread	<6						
GYS-95 Lt. Gray Isacord Thread	<7						
GYS-96 Metallic Silver Isacord Thread	<7						



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Composition: (parts per million)

Identification	Pb						
16 C.F.R. 1303 requirements	600 Max.						
GYS-97 Dark Gray Isacord Thread	<7						
GYS-98 Dark Choc. Brown Isacord Thread	<7						
GYS-99 Salmon Isacord Thread	<6						
GYS-100 SSVFF Khaki Wiliflex Ink	<8						
GYS-101 SSVFF Red Wiliflex Ink	<7						
GYS-102 SSVFF Gold Wiliflex Ink	<7						
GYS-103 SSVFF Black Wiliflex Ink	<8						
GYS-104 SSVF Royal Wiliflex Ink	<7						
GYS-105 SSVFF Green Wiliflex Ink	<6						
GYS-106 30401 MVP LB Orange Wiliflex Ink	<8						
GYS-107 87020 MVP LB Lemon Yellow Wiliflex Ink	<7						
GYS-108 HT11835 Quick White Wiliflex Ink	<7						

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Composition: (parts per million)

Identification	Pb					
16 C.F.R. 1303 requirements	600 Max.					
GYS-109 80000 MVP LB Gold Wiliflex Ink	<7					
GYS-110 Genesis Milk Choc. Brown Custom Ink	<6					
GYS-111 201000 Dark Choc. Genesis Ink	<5					
GYS-112 569C Jade Genesis Custom Ink	<5					
GYS-113 Forest Green (Chrome Green) Genesis Custom Ink	<5					
GYS-114 90410 Flou. Pink Genesis Ink	<6					
GYS-115 57010 Deep Purple Genesis Ink	<6					
GYS-116 14600 Dark Gray Genesis Ink	<5					
GYS-117 Columbia Blue Genesis Ink	<7					
GYS-118 99900 Glow Genesis Ink	<7					
GYS-119 Excite Yellow Glow Epic Extender Base	<6					
GYS-120 Epic Brt. Gold Shimmer 85470 Ink	<8					

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Identification	Pb						
16 C.F.R. 1303 requirements	600 Max.						
GYS-121 Epic Silver Shimmer 15370 Ink	<6						
GYS-122 Epic Yellow Sparkle 15340 Ink	<7						
GYS-123 Kosmic Glo in Epic EP Extender Base	<6						
GYS-123 Epic Special Effects Clear 10008 Ink	<5						

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