

TECHNICAL REPORT #33149

Division: Levi's
Program: Global Standards
Requested By: arsalan.siddiqui@akhtar.com.pk
Reported Date: 2025/10/07
Valid Until: 2026/03/23
Related Lab Report: 24872-25

LEVI STRAUSS & CO.

CONCLUSION: PASS

APPLICANT CONTACT

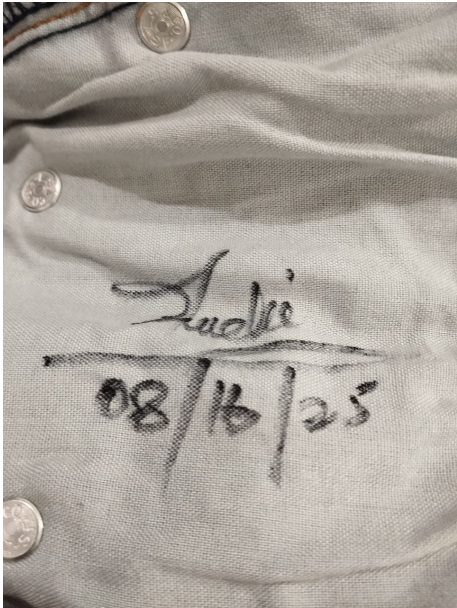
FULL NAME	COMPANY	EMAIL
Arsalan Siddiqui	Akhtar Textile Industries (PVT) LTD	arsalan.siddiqui@akhtar.com.pk
PHONE NUMBER	ADDRESS LINE 1	ADDRESS LINE 2
	I.I Chundrigar Road	Po Box: 4214
CITY	STATE/PROVINCE/TERRITORY	POSTAL CODE
Karachi		74000
COUNTRY	LATITUDE	LONGITUDE
Pakistan		
REGION		
Southern Asia		

SAMPLE INFORMATION

SUPPLIER	ASSIGNEE	MILL STYLE / SAMPLE STYLE
Akhtar Textile Industries (PVT) LTD- 3256	Akhtar Textile Industries (PVT) LTD	IDS-10918
CATEGORY	FULL TEST	FA CODE
Garment	Yes	FA173463
TEST TYPE	TEST NATURE	FABRIC TYPE
Production (Mass)	Denim	Denim - Stretch
CONSUMER GROUP	MARKET	MARKET REMARKS
Womens	Global Not For China	USA,MEX,LSE,UAE,SAUDIA ,JOR
FABRIC PURCH. WT. (DECLARED)	FABRIC 3HL WT. (DECLARED)	FIBER CONTENT
10.2 oz/yd ² (346 g/m ²)	11.5 oz/yd ² (390 g/m ²)	
FABRIC WIDTH (DECLARED)	ELONGATION (DECLARED)	MODULUS (DECLARED)
GARMENT VENDOR	GARMENT FINISH CATEGORY	GARMENT FINISH DETAIL
Akhtar Textile Industries (PVT) LTD - 3256	Others	WHISKER FB HS HOT KNEE+POCKET WSHIEKR+WRAP ARROUND WHISKER+PP ALTERNATE SPRAY
PRODUCT CODE	FFC (5 DIGIT)/LOOK CODE	FINISH NAME/LOOK NAME
A3410-0081	DA8UT	ETERNAL INDIGO DARK
COLOR NAME	PO NUMBER	PO QUANTITY
O-ULTRANARINE	2500061800-10	12000
SEASON	# OF SAMPLES	SIZE
2026 S1		
END USE	MANUFACTURE DATE	FABRIC FINISH
Bottoms (Long)		Flat
DYEING METHOD	DYE TYPE	WEAVE TYPE
	Indigo	
ENDS/WALES	PICKS/COURSES	YARN COUNT (SIZE) WARP
YARN COUNT (SIZE) WEFT	YARN TYPE	NOMINATED SUPPLIER

SAMPLE INFORMATION

SUPPLIER TYPE	SUPPLIER TYPE REMARKS	RECYCLED MATERIALS
RECYCLED MATERIALS REMARKS	PRODUCT CATEGORY/TYPE	VENDORS SOURCED SUNDRY/FABRIC
VENDOR SOURCED SUNDRY/FABRIC REMARKS	CPSC CERTIFICATE TYPE	DESCRIPTION
SUNDRY REFERENCE CODE	SUNDRY ITEM LOCATION	





LABORATORY

TESTING LAB	TESTING LAB SITE	REPORT NEEDED BY
Textile Testing International	Tti-PK-Lahore	2025/08/19
LAB SERVICE LEVEL	LAB CONTACT/EMAIL (EXTERNAL)	LAB CONTACT/EMAIL (INTERNAL)
	cs2@ttilabs.net	
LAB NOTES	DATE OF TESTING	RECEIVED BY DATE
Formaldehyde (Spot Test): Body Fabric: Negative (Standard: Negative) Rating: Pass pH Value: 7.41 (Standard: 4.5 to 7.5) Rating:Pass Stretch: 36.40% (Standard: >35%) Rating:Pass Growth: 4.39% (Standard: 8%) Rating: Pass	2025/08/22	-

TEST GUIDELINES

TEST PACKAGES REQUESTED		
No Test Packages Requested		
CERTIFICATE TYPE	CERTIFICATE ID	CERTIFICATE EXPIRATION DATE
RELATED TRFS	SPECIFIC REQUIRED TESTING	TEST PLAN/SPECIFICATION/TYPE

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COMPONENT LIST

COMPONENT # / NAME	COLOR	TEST PACKAGES SELECTED
1 / Body Fabric		LS&Co Performance and RSL Testing (April 2025) [1.7.0] - Garment/Production [1.0] - Womens Stretch Denim - Finished Product - Finish/Special Content/Use: Others; Fabric Weight/Classification: 11.5+ oz/yd2
2 / Local Abraded Area		LS&Co Performance and RSL Testing (April 2025) [1.7.0] - Garment/Production [1.0] - Womens Stretch Denim - Finished Product - Finish/Special Content/Use: Others; Fabric Weight/Classification: 11.5+ oz/yd2

COMPONENT RESULTS SUMMARY

COMPONENT # / NAME	FAILING TEST GROUPS/PARAMETERS	COMPONENT CONCLUSION
1 / Body Fabric		PASS
2 / Local Abraded Area		PASS

TEST GROUP RESULTS SUMMARY

TEST GROUP	FAILING COMPONENTS/PARAMETERS	TEST GROUP CONCLUSION
CF Crocking		Pass
CF Ozone		Pass
CF Rubbing		Pass
Tear Strength		Pass
Tensile Strength		Pass
Bisphenols		Pass

TEST GROUPCF Crocking

METHOD		AATCC 8				
COMPONENT # / NAME / DESCRIPTION		1 / Body Fabric / Denim Pant				
TEST GROUP CONCLUSION		PASS				
PARAMETER	PARAM ID	LIMIT	RESULT	RL	LAB NOTES	CONCLUSION
Crocking, Dry	15-1	>=4.0 Grey Scale Rating	4.5	N/A		PASS
Crocking, Wet	15-2	>=2.0 Grey Scale Rating	2.5	N/A		PASS

TEST GROUPCF Ozone

METHOD		LS&CO. 37				
COMPONENT # / NAME / DESCRIPTION		1 / Body Fabric / Denim Pant				
TEST GROUP CONCLUSION		PASS				
PARAMETER	PARAM ID	LIMIT	RESULT	RL	LAB NOTES	CONCLUSION
Ozone, Change	21-1	>=3.5 Grey Scale Rating	3.5	N/A		PASS

TEST GROUPCF Rubbing

METHOD		ISO 105-X12				
COMPONENT # / NAME / DESCRIPTION		1 / Body Fabric / Denim Pant				
TEST GROUP CONCLUSION		PASS				
PARAMETER	PARAM ID	LIMIT	RESULT	RL	LAB NOTES	CONCLUSION
Rubbing, Dry Warp	23-1	>=3.5 Grey Scale Rating	4.5	N/A		PASS
Rubbing, Dry Weft	23-3	>=3.5 Grey Scale Rating	4.5	N/A		PASS

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TEST GROUP

Tear Strength

METHOD		ASTM D1424 (modified)				
METHOD NOTES		Not required for "short" shorts, i.e., garments with inseam 2" or less				
COMPONENT # / NAME / DESCRIPTION		1 / Body Fabric / Denim Pant				
TEST GROUP CONCLUSION		PASS				
PARAMETER	PARAM ID	LIMIT	RESULT	RL	LAB NOTES	CONCLUSION
Tear Strength, Warp	142-1	>=3000.0 g	6496.7	N/A		PASS
Tear Strength, Weft	142-2	>=2500.0 g	7197.0	N/A		PASS
COMPONENT # / NAME / DESCRIPTION		2 / Local Abraded Area / Denim Pant				
TEST GROUP CONCLUSION		PASS				
PARAMETER	PARAM ID	LIMIT	RESULT	RL	LAB NOTES	CONCLUSION
Tear Strength, Warp	142-1	>=3000.0 g	5545.5	N/A		PASS
Tear Strength, Weft	142-2	>=2500.0 g	4259.5	N/A		PASS

TEST GROUP

Tensile Strength

METHOD		ASTM D5034 (modified)				
METHOD NOTES		Not required for "short" shorts, i.e., garments with inseam 2" or less				
COMPONENT # / NAME / DESCRIPTION		1 / Body Fabric / Denim Pant				
TEST GROUP CONCLUSION		PASS				
PARAMETER	PARAM ID	LIMIT	RESULT	RL	LAB NOTES	CONCLUSION
Tensile Strength, Warp	143-1	>=50.0 kg	109.5	N/A		PASS
Tensile Strength, Weft	143-2	>=30.0 kg	67.0	N/A		PASS
COMPONENT # / NAME / DESCRIPTION		2 / Local Abraded Area / Denim Pant				
TEST GROUP CONCLUSION		PASS				
PARAMETER	PARAM ID	LIMIT	RESULT	RL	LAB NOTES	CONCLUSION
Tensile Strength, Warp	143-1	>=50.0 kg	97.3	N/A		PASS
Tensile Strength, Weft	143-2	>=30.0 kg	45.6	N/A		PASS

TEST GROUP

Bisphenols

METHOD		Extraction using 1 g sample/20 ml THF, sonication for 60 minutes at 60 °C; analysis with LC/MS; For Leather, EN ISO 11936:2023				
COMPONENT # / NAME / DESCRIPTION		1 / Body Fabric / Denim Pant				
TEST GROUP CONCLUSION		PASS				
PARAMETER	PARAM ID	LIMIT	RESULT	RL	LAB NOTES	CONCLUSION
Bisphenol A (BPA)	80-05-7	<=1.0 ppm	Not Detected	0.1		PASS
Bisphenol AF (BPAF)	1478-61-1	<=10.0 ppm	Not Detected	0.1		PASS
Bisphenol B (BPB)	77-40-7	<=10.0 ppm	Not Detected	0.1		PASS
Bisphenol F (BPF)	620-92-8	<=10.0 ppm	Not Detected	0.1		PASS
Bisphenol S (BPS)	80-09-1	<=10.0 ppm	Not Detected	0.1		PASS

The conclusion and results on this test report apply only to the items tested and the requirements specified on the date of testing.

PREPARED BY

NOTES: NEED MASS REP		
REPORT PREPARED BY	PREPARER SIGNATURE	DATE
Muhammad Shahbaz Tti-PK-Lahore		2025/08/22

