

## Test Report

Testing institute : Product Technology Service (Ningbo) Co., Ltd.  
5-7F, 59#, Huayu Road,  
Yinzhou District, Ningbo 315192 P.R.China

Applicant : SHAOXING KEQIAO JIUBAO TEXTILE CO.,LTD.  
NO.0807,BLOCK 1,JINGHUI BLDG, KEQIAO, SHAOXING ,ZHEJIANG  
CHINA

Product name : AMERICA TULL EMB

Model/Type : SGB-93311/EMB4748

Sample Description : /

Material : /

Sample receive date : Jun.17,2019  
Completes date : Jun.20,2019

Testing location : Product Technology Service (Ningbo) Co., Ltd.

Remark : According to client's requirement, samples were overall sampling.

Test specification(s)	Conclusion
1.Dimensional stability after washing	See result
2.Colour fastness to washing	See result
3.Colour fastness to rubbing	See result
4.pH value	See result
5.Lead content in accessible substrate materials	Pass
6.Formaldehyde	See Result



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Product Technology Service (Ningbo) Co., Ltd.

Ningbo, Jun.20, 2019

The test results exclusively refer to the samples examined. The test report is only used for scientific research, teaching or internal quality control. This report shall not be reproduced except in full without written approval and does not authorize the use of Product Technology Service (Ningbo) Co., Ltd. label. The report is invalid without signature and seal of Product Technology Service (Ningbo) Co., Ltd.

1. Test specification : Dimensional stability to washing  
 Test method : According to AATCC 135-2018  
 40 °C in 66g 1993 AATCC standard reference detergent , Line dry

Product name	Result [%]	
	After 1 wash	
AMERICA TULL EMB	Warp	-1.2
	Weft	-1.2

Remark: (+) means extension and (-) means shrinkage

Main test instruments used for this method:

Instrument	Manufactory	Model / Type
AATCC Standard Washer	Whirlpool	3XGSC9455JQ

2. Test specification : Colour fastness to washing  
 Test method : According to AATCC 61-2013, Program 1A, single test, 45 minutes  
 mechanical wash at 40° C in 0.37% 1993 AATCC standard reference  
 detergent solution with 10 steel balls

Product name	Result (grade)	
	AMERICA TULL EMB	Colour change
Staining		
Acetate		4-5
Cotton		4-5
Nylon		4-5
Polyester		4-5
Acrylic		4-5
Wool		4-5

Remark: Grey Scale Rating is based on the 9-sep scale of 1 to 5, where 1 is bad and 5 is good

Main test instruments used for this method:

Instrument	Manufactory	Model / Type
Launder-Ometer	SDL ATLAS	M228AA

3. Test specification : Colour fastness to rubbing  
 Test method : According to AATCC 8-2016  
 16mm diameter finger with downforce of 9N

Product name	Result (grade)	
	AMERICA TULL EMB	Dry staining
Wet staining		4-5

Remark: Grey Scale Rating is based on the 9-sep scale of 1 to 5, where 1 is bad and 5 is good

Main test instruments used for this method:

Instrument	Manufactory	Model / Type
Rubbing Fastness Tester	TONNY	TNC21

4. Test specification : pH value  
 Test method : AATCC 81-2016 pH of water-extract from wet processed textiles  
 Test condition : The Temperature of extracting solution: 25.0°C

Product name	Result
AMERICA TULL EMB	8.0

Main test instruments used for this method:

Instrument	Manufactory	Model / Type
pH-meter	METTLER TOLEDO	FE20

5. Test specification(s) : Lead content in accessible substrate materials  
 Test method : CPSC-CH-E1002-08.3 Total Lead (Pb) in Non-Metal Children's Products  
 Requirement : US Public Law 110-314(CPSIA: Consumer Product Safety Improvement Act of 2008) (H.R.4040+H.R.2715).

Product name: AMERICA TULL EMB					
Parameter:	Unit	Detection Limit	Result	Limit	Conclusion
Lead (Pb)	mg/kg	10.0	ND	100	Pass

ND = Not Detected (< Detection Limit)

Main test instruments used for this method:

Instrument	Manufactory	Model / Type
ICP-OES	PerkinElmer	5300DV

6. Test specification : Formaldehyde  
 Test method : AATCC 112:2014, Formaldehyde Release from Fabric, Determination of Sealed Jar Method

Product name: AMERICA TULL EMB			
Parameter:	Unit	Detection Limit	Result
Released formaldehyde	mg/kg	20.0	ND

ND = Not Detected (< Detection Limit)

Main test instruments used for this method:

Instrument	Manufactory	Model / Type
UV-Vis	LabTech	BlueStar plus

Sample photo(s), see annex1

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Product Technology Service

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## ANNEX 1

Sample photos, consists of 1 page



AMERICA TULL EMS

UNAUDITED FOR REFERENCE ONLY

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