



Quality Assurance & Compliance Testing
Utilizing Textile & Related Technologies

19 West 36 Street, Tenth Floor
New York, NY 10018
tel: 212 947 8391 fax: 212 947 8719
www.vartest.com

Third Party Certification (NFPA 1970-2025) RESTRICTED SUBSTANCE ATTESTATION

Submitted by: Milliken & Company

Manufacturer: Milliken & Company

Style #: MPG S000108100

Department: LOT: 10010415223

Ref: MILLIKEN ASSURE TM MOISTURE BARRIER; ARAMID WOVEN W/
ANTISTAT W/NON-PFAS FILM % ARAMID NONWOVEN

Color: 9101 NATURAL

Date: April 8, 2025

Report #: MILLKE.A022425A-R1

The submitted fabric, **MEETS** the requirements of the NFPA 1970-2025 Specification for the tests conducted in this report covering **Restricted Substance Attestation**.

All of the above tests and evaluations were performed in accordance with ISO/IEC 17025 Quality Systems.



Certificate authorized by:

Joseph Lin

Joseph Lin
Laboratory Manager



ACCREDITED
Testing Cert #2180.01

*This certification applies to the particular sample tested and to the specific tests carried out as dated and detailed in the report referenced above. It does not signify any measure of approval, control, supervision, or surveillance by Vartest Laboratories Inc. to this or any related product.



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Third Party Test Report

DATE: April 4, 2025

FILE: MILLKE.A022425A-R1

CLIENT: Milliken and Company
920 Milliken Road
Spartanburg, SC 29304

ATTN: James Cliver

SAMPLE IDENTIFIED BY CLIENT AS:

Fabric Submitted
Manufacturer: Milliken & Company
Style: MPG S000108100
Department: LOT: 10010415223
Ref: MILLIKEN ASSURE TM MOISTURE BARRIER; ARAMID WOVEN W/ANTISTAT
W/NON-PFAS FILM & ARAMID NONWOVEN
Color: 9101 NATURAL

NFPA 1970-2025 RESTRICTED SUBSTANCE TEST

SUBSTANCE GROUP	APPLICABLE	RESULT	PASS/FAIL
Acetophenone and 2-Phenyl-2-propanol	Yes	Not Detected	PASS
Acidity and alkaline substances (pH)	Yes	5.93	PASS
Alkyl phenols and ethoxylates	Yes	Not Detected	PASS
Azo-amines and aryl amine salts	Yes	Not Detected	PASS
Bisphenols	Yes	Not Detected	PASS
Chlorinated benzenes and toluenes	Yes	Not Detected	PASS
Chlorinated paraffins	Yes	Not Detected	PASS
Chlorinated phenols	Yes	Not Detected	PASS
Dyes	Yes	Not Detected	PASS
Flame retardants	Yes	Not Detected	PASS
Formaldehyde	Yes	61.02mg/kg	PASS
Extractable heavy metals	Yes	Antimony: 15mg/kg	PASS
Total Heavy metals	Yes	Lead: 3mg/kg	PASS



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NONWOVEN

Color: 9101 NATURAL


NFPA 1970-2025 RESTRICTED SUBSTANCE TEST

SUBSTANCE GROUP	APPLICABLE	RESULT	PASS/FAIL
Monomers	Yes	Not Detected	PASS
Nitrosamines	Yes	Not Detected	PASS
Organotin compounds	Yes	Not Detected	PASS
Ortho-phenylphenol	Yes	Not Detected	PASS
Perfluorinated and polyfluorinated alkyl substances (PFAS)	Yes	Not Detected	PASS
Phthalates	Yes	Not Detected	PASS
Polycyclic aromatic hydrocarbons (PAH)	Yes	Not Detected	PASS
Quinoline	Yes	Not Detected	PASS
Solvent residues DMAC/DMF/Formamide/NMP	Yes	(DMAC): 108mg/kg	PASS
UV Absorbers or Stabilizers	Yes	Not Detected	PASS
Volatile organic compounds (VOCs)	Yes	Not Detected	PASS

Results for a Restricted Substance Group are the most prevalent compound present.

COMMENT: Additional lots tested for Nitrosamines.

Signed For The Company By


Joseph Lin
Laboratory Manager




Ashik Faisal
Technical Director

ME/03...ME/04