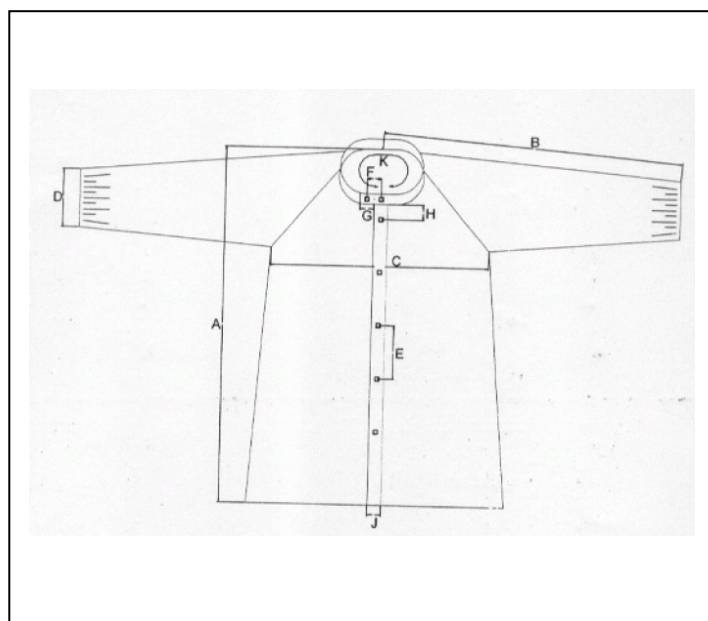


VWR® BASIC SMS Frock

VWR Basic SMS Labcoats are manufactured from a latex-free, multilayer spunbonded-meltblown-spunbonded (SMS) fabric that offers high tensile strength while remaining soft, comfortable, and breathable. These static-dissipative garments act as a fluid and particulate barrier and provide light chemical splash resistance. Coveralls are rigorously tested and manufactured in an ISO Certified facility under stringent process controls to ensure that each product meets exacting quality standards and performs to specification. Our products are lot controlled and validated through independent lab testing.

CHARACTERISTICS:

- Made of Non-woven spunbonded-meltblown-spunbonded polypropylene 50grams/m² white or blue
- Snap collar
- Snap closure
- Raglan sleeves
- No pockets
- Serged seams
- Sizes (S / M / L / XL / 2XL / 3XL / 4XL)
- Packed per **1pcs/bag, 30 bags/carton**



VWR Cat.number BLUE	VWR Cat.number WHITE	Size	A	B	C	D	D'	E1	F	G	H	J	K
NA	113-1156	S	40.5	33.5	21.75	3	5	7	1	1.5	1	1.25	17
113-1162	113-1157	M	42.5	34.5	22.75	3	5	7	1	1.5	1	1.25	20.5
131-1174	113-1158	L	43.5	35.5	23.5	3	5.5	7	1	1.5	1	1.25	22
113-1175	113-1159	XL	46	36.5	24.75	3	5.5	7.5	1	1.5	1	1.25	22.5
113-1176	113-1160	XXL	47.5	37.5	26.5	3.5	6	7.5	1	1.5	1	1.25	23.5
113-1166	113-1161	3XL	51.5	40	29	3.5	6	7.5	1	1.5	1	1.25	25.5
NA	NA	4XL	52.5	41	29.5	3.5	6	7.5	1	1.5	1	1.25	26.5

Remark: D': final stretch elastic wrist length

PRODUCT SPECIFICATIONS

MATERIAL PROPERTIES

		Result	Test Standard
PHYSICAL PROPERTIES	Particle Shedding (Helmke Drum)	Level II	IEST-RP-CC003.3
	Weight (g/m ²)	50.45	ASTM D3776
	Ball Bursting Strength (Avg. lbs./in.)	14.2	ASTM D6797
	Tensile Strength (Avg. lbs./in.)		
	Warp	13.0	ASTM D5034
	Filling	16.1	
	Tearing Strength (Avg. lbs./in.)		
	Lengthwise Yarns	3.1	ASTM D2261
	Widthwise Yarns	2.6	
BARRIER PROPERTIES	Bacterial Filtration Efficiency *	90%	ASTM F2101
	Water Resistance	16.7	AATCC Method 42
COMFORT PROPERTIES	Water Vapor Transmission Rate (Avg. g/m ² /24 hrs.)†	965	ASTM E96
	Air Permeability (cu. ft./min./sq. ft.)	95.3	ASTM D737

*Control Average: 2928 CFU.

†Procedure B, Water Method, 73.4°F 50% Rh; Air Gap: ¼".

All test results provided by independent third-party testing laboratories located in USA.

WARNING: These garments and associated materials are not suitable for use in some environments containing chemicals and/or hazardous agents. It is the responsibility of the user to determine the level of risk in a particular environment and the proper personal protection equipment needed. Garments manufactured from synthetic non-woven material may generate static electricity. Garments that contain an anti-stat treatment are not intended to be used as a safety feature. These garments are not recommended to be used in a flammable and or explosive environment. Contact VWR International for garment/fabric safety data. The application of these products is out of VWR International's control. Therefore, VWR International, LLC makes no warranties, expressed or implied, and assumes no liability as to the performance of these products for a particular use.

Caution: Avoid heat and/or open flame.

PRODUCT SPECIFICATIONS

MATERIAL SPECIFICATION

Item		Test method	average value standard	
			average value	tolerance for average value
weight(g/m ²)		GB/T4669-1995	50.00	+/-2
Break Tensile properties(N)	MD	ASTM D5034	>70	
	CD	ASTM D5034	>60	
Elongation rate(%)	MD	ASTM D5034	>50	
	CD	ASTM D5034	>50	
Water presure mmH2O		GB/T4744-1997	>300	
breathable (mm/s)		GB/T5453-1997	>400	
ESD		GB/T12703-91	E12	

QUALITY ASSURANCE CRITERIA:

AQL 1,5 per General Inspection Plan level II, single sampling (ANSI/ASQC Z1.4-1993)

- A. Extraneous material
- B. Dirty products
- C. Thread ends loose or too long
- D. Holes or tears
- E. Foul odor
- F. Off colour
- G. Uneven material thickness
- H. Hard lump
- I. Fibre spinning-hook off
- J. Wrong collar tag
- K. Physical dimension Non-compliance
- L. Sticks is not correct
- M. Cloth surface applied wrongly

QUALITY ASSURANCE CRITERIA FOR MAJOR DEFECTS:

AQL 2.5 per General Inspection Plan Level II, single sampling (ANSI/ASQC Z1.4-1993)

- A. Sewing sundries
- B. Elastic band end exposed
- C. Sewing end falling-off
- D. Jumping stitch
- E. Missing stitch
- F. Less than 8 stitches per inch
- G. Unwanted folds
- H. Elastic tightness non-consistent