Technical Data Sheet

WL-PLMI-0X

Cleanroom and controlled environments protective coverall
Type 5/6 – Personal Protective Equipment Cat. III



FEATURES & BENEFITS

- **Innovative Material and Controlled Cleanliness**
  - New lightweight MICROMIUM® material for optimal comfort
  - Controlled contamination, ISO 4 compliant (Category 1 according to IEST-RP-CC003.4) – Helmke drum test
- **Ergonomic and Secure Design**
  - Aseptic folding for easy hygienic handling and reduced contamination risk
  - Integrated overboots with elasticized ankles and non-slip sole
  - Comfortable fit with refined finishes: bound seams, tunneled elastics
  - Functional elements: three-panel hood, thumb loop, adhesive flap covering the zipper, elasticized cuffs, ankles, and waist
  - Fully sealed double packaging

Recommended use

- Pharmaceutical and cosmetic industries
- Biotechnology
- Research laboratories
- High-tech industries
- Medical field

PRODUCT DETAILS

Product name :	**WeePro® Labo**
Product type:	Type 5/6
Material :	Micromium – Microporous film
Grammage :	55 g/m²
Manufacturing :	Elasticized waist, cuffs, ankles, and three-panel hood Zipper closure Protective flap with adhesive Elasticized thumb loops Integrated overboots with elasticized ankles and non-slip sole
Seams :	Bound seams
Color :	White
Qty / case :	25 units
Origin :	China

STANDARDS & CERTIFICATIONS

- Compliant with the requirements of Regulation (EU) 2016/425 on Personal Protective Equipment
- Manufactured under an ISO 9001 certified system

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COVERALL TESTS PERFORMANCES		
	Standard / Test method	**Results**
Type 5 inward leakage test for solid aerosol particles	EN ISO 13982-1:2004 + A1:2010	Compliant
Type 6 low-density spray test	EN 13034:2005 + A1:2009	Compliant
Seam strength	EN ISO 13935-2	Class 3/6

PHYSICAL PROPERTIES OF THE FABRIC			
Tests	**Test method**	**Results**	**Class**
Abrasion resistance	EN 530	>100 cycles	Class 1/6
Flex cracking resistance	ISO 7854 B	> 50 000 cycles	Class 6/6
Tear resistance	ISO 9073-4	44.8 N (MD) / 15.9 N (CD)	Class 1/6
Tensile strength	ISO 13934-1	84 N (MD) / 41 N (CD)	Class 1/6
Puncture resistance	EN 863	8 N	Class 1/6
Resistance to ignition	EN 13274-4	NA	Compliant

FABRIC RESISTANCE TO PENETRATION BY LIQUIDS EN ISO 6530		
Tested chemicals	**Penetration**	**Repellency**
Sulfuric acid 30%	Class 2/3	Class 2/3
Sodium hydroxide 10%	Class 2/3	Class 2/3
O-Xylene	Class 3/3	Class 2/3
Butan-1-ol	Class 3/3	Class 3/3

RESISTANCE OF THE MATERIAL TO THE PERMEATION OF CYTOSTATIC DRUGS – ASTM F739-20				
Tested chemicals	**Concentration**	**CAS number**	**Breakthrough time (min)**	
			0.1*	**1.0***
5-Fluorouracil	50 mg/ml	21-21-8	> 480	> 480
Carmustine	3.3 mg/ml	154-93-8	< 235	> 480
Cisplatine	1 mg/ml	15663-27-1	> 480	> 480
Cyclophosphamide	20 mg/ml	50-18-0	< 31	< 175
Doxorubicin HCl	2 mg/ml	25136-40-8	> 480	> 480
Etoposide	20 mg/ml	33419-42-0	> 480	> 480
Methotrexate	25 mg/ml	59-05-2	> 480	> 480
Paclitaxel	6 mg/ml	33069-62-4	> 480	> 480
Thio Tepa	10 mg/ml	52-24-4	< 40	< 128

*Last time point of the preceding sampling interval before the permeation reaches the permeation rate of 0.1 or 1.0 µg/cm²/min

STORAGE CONDITIONS

Normal storage and conservation conditions: Should not be exposed to moisture and sunlight and should be stored at room temperature.
Product shelf life: 3 years

LOGISTICS

Outer case spec.

Item	Size	Size mm	Gross weight (kg)	QTY/ pallet
WL-PLMI-02	M	320 x 270 x 680	+/- 8	20
WL-PLMI-03	L			
WL-PLMI-04	XL			
WL-PLMI-05	XXL			

Inner bag spec.

Size mm	Gross weight (g)	Packaging
430 x 2320 x 30	+/- 300	25 x 1

PACKAGING and TRACKING

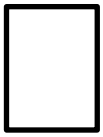
25 units per case



Large sealed bag with clip



1st individual pouch



Second vacuum-sealed individual pouch with "Easytear"



Traceable batch number from the carton to the garment

EAN Codes

Item	Outer case
WL-PLMI-02	3 701 012 802 336
WL-PLMI-03	3 701 012 802 343
WL-PLMI-04	3 701 012 802 350
WL-PLMI-05	3 701 012 802 367

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