

Isofield Kappa Kits

Sterile Cleanroom coverall with hood & overboots

PRODUCT INFO



COVERALL WITH HOOD

Sterile Cleanroom coverall with innovative Postbox hood design

Zip flap with double-sided tape prevents ingress and egress of particles

Low-linting, anti-static fabric suitable for chemo handling

Elasticated thumb loops

Back elastic to prevent bellows effect



OVERBOOTS

Sterile Cleanroom overboots

Extra long — 50cm knee height

Two ties for added security

Anti-slip PU sole

APPLICATIONS

Grade A & B and ISO Class 5 applications where fluid protection, viral barrier, low particle emissions required

Pharmaceutical product preparation

Cleanroom cleaning and preparation

Aseptic filling & labelling

Medical device manufacturing

Blending operations for biotechnologies

Handling Chemotherapy

QUALITY ASSURANCE

PPE Cat III, Type 5/6 certified

Manufactured in a facility operating under ISO 9001:2015 quality management system

Processed in a NEBB certified ISO Class 5 cleanroom

CLEANROOM COMPATIBILITY

GMP Grade A cleanroom

GMP Grade B cleanroom

ISO Class 4 cleanroom

ISO Class 5 cleanroom

Class 10 cleanroom

Class 100 cleanroom

STORAGE & SHELF LIFE

Store in a dry, cool place (<40°C) away from direct sunlight

Do not expose open cartons to prolonged direct fluorescent light

Five (5) years from date of manufacture

PACKAGING

1 set (coverall with hood/boots) per sealed inner bag,

1 inner bag per sealed outer bag,

40 outer bags per carton liner with twist tie (XS-2XL),

35 outer bags per carton liner with twist tie (3XL-4XL)

 Both items are aseptically folded

PRODUCT CODE

REF

80651

XSMALL	80651XS	XLARGE	80651XL
SMALL	80651S	2XLARGE	80651XXL
MEDIUM	80651M	3XLARGE	80651XXXL
LARGE	80651L	4XLARGE	80651XXXXL

CE 2797              



Back elastic to prevent bellows effect

Postbox hood design

Latex-free enclosed elastic face opening at base for comfortable fit

Anti-slip PU sole

MATERIAL PERFORMANCE PARAMETERS

DESCRIPTION	UNITS	METHOD	SPECIFICATION	TYPICAL
Basic weight PP/PE film laminate	g/m ²	ISO 9073-1-1989	±2	60
Hydrostatic head	mmH ₂ O	ISO 811-1981	≥100	213
Air permeability	l/m ² /S	GB/T5453	≥	2000
Surface resistivity	Ω / sq	ASTM D257	Static dissipative	10 ¹⁰
Overboot slip resistance	Coefficient of Friction (COF)	ASTM D1894	≥0.5	0.6 (Static) 0.5 (Dynamic)

HELMKE DRUM TEST RESULT CLASS 1

PARTICLE SIZE	CUMULATIVE RELEASE RATE (COUNTS/MIN)	SPECIFICATION	CLASS	TEST METHOD
≥ 0.3µm	743*	Less than 2,000	1	IEST-RP-CC003.4
≥ 0.5µm	318*	2,000 - 20,000	1	IEST-RP-CC003.4
≥ 5.0µm	43*	20,000 - 200,000	1	IEST-RP-CC003.4

*Test carried out on coverall and hood. Typical results.

PERMEATION TEST AGAINST CHEMO DRUGS

CHEMOTHERAPY DRUGS	BREAKTHROUGH TIME	TEST METHOD
Carmustine	30 min	ASTM F739-20
Cisplatin	> 480 min	ASTM F739-20
Cyclophosphamide	> 480 min	ASTM F739-20
Doxorubicin HCl	> 480 min	ASTM F739-20
Etoposide	> 480 min	ASTM F739-20
Fluorouracil	> 480 min	ASTM F739-20
Methotrexate	> 480 min	ASTM F739-20
Paclitaxel	> 480 min	ASTM F739-20
Thiotepa	60 min	ASTM F739-20

*Results achieved under controlled laboratory conditions, by accredited ISO 17025 third party testing laboratory

TECHNICAL PROPERTIES

TEST REFERENCE	EXPLANATION	TEST RESULTS
EN 14325:2004 EN ISO 6530:2005	Repellency to chemicals	10% Sodium hydroxide Level 3
		30% Sulphuric acid Level 3
		O-Xylene Level 2
		Butan-1-ol Level 2
		70% Isopropyl alcohol Level 2
		70% Ethanol Level 2
EN 14325:2004 EN ISO 6530:2005	Resistance to penetration by chemicals	10% Sodium hydroxide Level 3
		30% Sulphuric acid Level 3
		O-Xylene Level 3
		Butan-1-ol Level 3
		70% Isopropyl alcohol Level 3
		70% Ethanol Level 3
EN 14325:2004 EN ISO 9073-4:1997	Trapezoidal tear resistance	Machine direction Class 2
		Cross direction Class 2
EN 14325:2004 EN ISO 13934-1:2013	Tensile strength	Machine direction Class 1
		Cross direction Class 2
EN ISO 13982- 2:2004 EN ISO 13982- 1:2004 (Type 5)	Inward leakage of aerosols and fine particles into suits	Pass
	IL _{82/90}	0.765%
	IL _{8/10}	0.327%
EN 14325:2004 EN ISO 12947-2:2016	Abrasion resistance	Class 2
EN 14325:2004 EN ISO 7854:1997, Method B	Flex cracking resistance	Class 6
EN 14325:2004 EN 863:1995	Puncture resistance	Class 1
EN 14325:2004 [5.5]	Seam strength	Class 2
EN 13034:2015 + A1:2009 ISO 17491-4:2008 (Type 6)	Resistance to penetration by a spray of liquid (Spray Test)	Pass
In-house AQL 1.5	Test plan for major defect	Pass
EN ISO11137 Part 2:2015	Sterility Validation	SAL 10 ⁻⁶

LOADING

	EURO-PALLET	STANDARD PALLET
Pallet size	W80 L120cm	W100 L120cm
Gross weight	12.40 - 15.94kg	12.40 - 15.94kg
Carton size	W38 L58 H47cm	W38 L58 H47cm
Nett weight	9.60 - 13.14kg	9.60 - 13.14kg
Air freight pallet	Max height: 109cm Layers: 2 Cartons: 8	Max height: 109cm Layers: 2 Cartons: 10
Sea freight pallet	Max height: 156cm Layers: 3 Cartons: 12	Max height: 156cm Layers: 3 Cartons: 15

DOCUMENTATION



CERTIFICATE OF CONFORMANCE (COC)
CERTIFICATE OF ANALYSIS (COA)
CERTIFICATE OF PROCESSING (COP)

View [sample](#) of COC, COA, COP



FACTORY RELATED CERTIFICATIONS
To request ISO9001 Certificate,
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Country of origin: **Malaysia**
HS Code: 6210109000

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