

PurWipe® K1-209 / K1-212

Cleanroom Wipe | Polyester Knit

ISO	3	4	5	6	7	8
GMP			A/B		C	D



Product description

The PurWipe® K1 is a high quality polyester cleanroom wipe with lowest particle emission which is suitable for diverse applications in critical cleanroom environments. It consists of a robust double knit which is fully decontaminated and boasts a high fluid absorption.

- _ Robust polyester double knit
- _ Lowest particle emission, fully decontaminated
- _ High absorbency and good general cleaning ability
- _ Optimal for general cleaning and disinfection on critical surfaces



Edges



K1-209

Material Size

Product Identification



Bag label

Product specifications

Item Name: PurWipe® K1-209 / K1-212 | Cleanroom Wipes

Application / Usage: Recommended for cleaning and disinfection of critical surfaces in GMP and ISO cleanrooms

Material: 100 % Polyester double knit

Material weight | Material thickness: 145 g/m² (± 8 g/m²) | 0.54 mm

Fiber size: 16 µm (ø)

Color: White

Edges: Heat sealed (US)

Tensile strength | Abrasion resistance: 13.40 MPa (ø) | 125 movements (12 kPa)

Conductivity: Not electrostatically conductive

Shelf life: 3 years

Re-use: Disposable wipe (for single use in cleanrooms)

Packaging concept: Cleanroom bag with easy-tear, triple packed, for safe entry into the cleanroom

Product labelling: Label with product information, batch number and expiry date located on inner bags and carton

Storage: General storage conditions apply, protect from harmful influences (fluids, sun rays or UV light, contamination, pressure), recommended storage temperature 5 - 40 °C.

Customs tariff number | Country of origin: 63071010 | People's Republic of China

Product	Item no.	Sterility	Edges	Size	Packing
K1-209	2183202	non-sterile	heat sealed	229 x 229 mm (+/- 10 mm) (9 x 9 inch)	150 pcs. / bag (pack) 10 packs / case [1,500 pcs.]
K1-212	2183204	non-sterile	heat sealed	305 x 305 mm (+/- 10 mm) (12 x 12 inch)	150 pcs. / bag (pack) 10 packs / case [1,500 pcs.]

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3265 Sunset Lane ■ Hatboro PA 19040
phone.800.345.3569 fax.888.329.9669

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Technical specifications

Property	Typical value	Specified value	Test method
Absorption			
Extrinsic	400 ml/m ²	≥ 300 ml/m ²	IEST-RP-CC 004.3
Intrinsic	2.48 ml/g	≥ 2.07 ml/g	IEST-RP-CC 004.3
Sorptive rate	1.12 seconds	≤ 3 seconds	IEST-RP-CC 004.3
Particle emission			
APC - airborne particles ≥ 0.5 µm	8,200 counts/m ³	≤ 9,000 counts/m ³	IEST-RP-CC 003.2
LPC - liquidborne particles ≥ 0.5 µm	750 counts/cm ²	≤ 1,100 counts/cm ²	IEST-RP-CC 004.3
Non-volatile residue (NVR)			
DI water	0.020 g/m ²	≤ 0.030 g/m ²	IEST-RP-CC 004.3
IPA	0.030 g/m ²	≤ 0.050 g/m ²	IEST-RP-CC 004.3
Organic and inorganic substances (FTIR)			
Silicone oil	not detectable	not detectable	Infrared spectroscopy
Amide	not detectable	not detectable	Infrared spectroscopy
Diethylphthalate (DOP)	not detectable	not detectable	Infrared spectroscopy
Extractable ions (IC)			
Sodium (Na ⁺)	0.40 ppm	≤ 0.50 ppm	Ion chromatography
Potassium (K ⁺)	0.07 ppm	≤ 0.10 ppm	Ion chromatography
Magnesium (Mg ²⁺)	0.08 ppm	≤ 0.10 ppm	Ion chromatography
Calcium (Ca ²⁺)	0.20 ppm	≤ 0.50 ppm	Ion chromatography
Chloride (Cl ⁻)	0.20 ppm	≤ 0.50 ppm	Ion chromatography
Ammonium (NH ₄ ⁺)	0.08 ppm	≤ 0.10 ppm	Ion chromatography
Nitrate (NO ₃ ⁻)	0.10 ppm	≤ 0.20 ppm	Ion chromatography
Nitrite (NO ₂ ⁻)	0.08 ppm	≤ 0.10 ppm	Ion chromatography
Phosphate (PO ₄ ²⁻)	0.30 ppm	≤ 0.50 ppm	Ion chromatography
Sulfate (SO ₄ ²⁻)	0.20 ppm	≤ 0.30 ppm	Ion chromatography
Bromide (Br ⁻)	0.08 ppm	≤ 0.10 ppm	Ion chromatography
Fluoride (F ⁻)	0.08 ppm	≤ 0.10 ppm	Ion chromatography

Models in our K1-Series:

Product	Item no.	Sterility	Edges	Size	Packing
K1-209-S	2183203	sterile	heat sealed	9 x 9 inch	10 pcs. / bag, 10 bags / pack, 10 packs / case [1,000 pcs.]
K1-212-S	2183205	sterile	heat sealed	12 x 12 inch	10 pcs. / bag, 10 bags / pack, 10 packs / case [1,000 pcs.]

Optionally available in different edges and sizes

Industry sectors



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