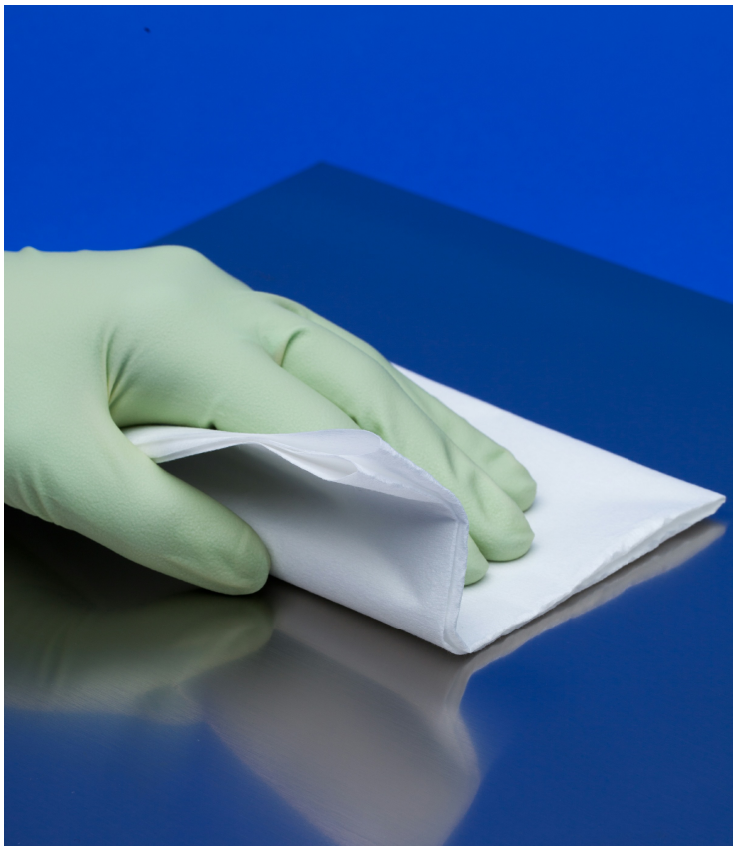
# BioClean™ Oryx BOWS 12

## Sterile, nonwoven polycellulose wipes, providing superior absorption capabilities

- **Enhanced absorbency:** BioClean™ Oryx BOWS cleanroom wipes are composed of hydroentangled polycellulose, delivering outstanding absorption properties
- **Minimized allergy risks:** They feature no whitening agents or optical brighteners, reducing the risk of allergic reactions
- **Guaranteed cleanliness:** These low-linting wipes are sterilized via gamma irradiation and packed in an ISO Class 5 cleanroom facility, ensuring low levels of particulates and extractables, while sampling and inspection are carried out in accordance with ISO 2859-3 standards
- **Heightened robustness:** BioClean™ Oryx BOWS nonwoven wipes also benefit from excellent durability and strength



### Key Features and Benefits

- **Hydroentangled polycellulose design:** Excellent absorption properties
- **No optical brighteners or whitening agents:** Lesser allergy risks
- **ISO Class 5 cleanroom-packed:** Minimal extractable and particulate levels

### Industries

- Controlled and Critical Environments
- Production and Manufacturing

# BioClean™ Oryx BOWS 12

## TECHNICAL DATA SHEET

### PRODUCT INFORMATION

| | |
|---|---|
| Material | Polycellulose |
| Color | White |
| Audit Standards | ISO 9001 |
| Standards | ISO 2859, ISO 9001:2015 |
| Packaging Overview | BOWS-12: 10 pieces (C-folded) per sealed inner PE bag; 10 inner PE bags per sealed outer PE bag; 18 outer bags per lined carton (1800 pieces) |
| Available Sizes | 300mm x 300mm (12" x 12") |
| Sterilization Method | GAMMA irradiation (25 kGy) |
| Cut | Blade |
| Cleanroom Class | Class 100/ISO Class 5 & EU GMP Grade A/B and other sterile cleanrooms |
| Shelf Life | 5 years |

### PHYSICAL PROPERTIES

| | | |
|---|---|---|
| Force at Break (N) | Machine Direction | 98 |
| | Cross Direction | 42 |
| Absorption | Extrinsic Sorbency Capacity (ml/m<sup>2</sup>) | 305.90 |
| | Intrinsic Sorbency Capacity (ml/g) | 4.60 |

| Typical Extractable Ions | | | | | |
|---|---|---|---|---|---|
| | Sodium | Potassium | Magnesium | Calcium | Chloride |
| (µg/cm<sup>2</sup>) | 0.422 | 0.038 | 0.116 | 0.228 | 0.07 |

ND = Not Detected, NT = Not Tested

| | | | |
|---|---|---|---|
| Particle generation (≥0.5µm) orbital shake method | 4.6 x 10 3/cm2 | | |
| Particle generation Helmke drum method (average counts per minute) | ≥0.3µm | ≥0.5µm | ≥5.0µm |
| | 1261 DRY / 363 WET* | 850 DRY / 170 WET* | 85 DRY / 29 WET* |

### ORDERING INFORMATION

| | SIZE | 300mm x 300mm (12" x 12") |
|---|---|---|
| BOWS 12 | REORDER NO. | BOWS-12 |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