

# Amplitude™ Optic Wipes

## Optical grade cellulose nonwoven wipes

Amplitude™ Optic wipes are 100% nonwoven cellulose. The wipe consists of long staple fibers which are wet laid in a paper making process to form an extremely clean sheet. It features very low levels of extractables and only moderate particle generation. The wipe has a nonabrasive surface texture. The wipes are both absorbent and optical grade.

These nonwoven wipes were specifically designed for the delicate cleaning of optical products and microminiature electronic components. It can also be used as a lining for cleanroom surfaces and trays.



| Features                     | Benefits                                                                                                                                                                                                             |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 100% nonwoven cellulose      | <ul style="list-style-type: none"> <li>• Very low levels of extractables</li> <li>• Long staple fibers create a nonabrasive wipe and allows for excellent sorbency</li> </ul>                                        |
| Moderate particle generation | <ul style="list-style-type: none"> <li>• Ideal for use in controlled environments</li> <li>• Specifically designed for the delicate cleaning of optical products and microminiature electronic components</li> </ul> |

| Part No. | Description                            | Size                        | Packaging                |
|----------|----------------------------------------|-----------------------------|--------------------------|
| C6-99    | Amplitude Optic Wipes,<br>Flat stacked | 9" x 9"<br>(230 x 230 mm)   | 500/bag;<br>25 bags/case |
| C6-1212  | Amplitude Optic Wipes,<br>Flat stacked | 12" x 12"<br>(305 x 305 mm) | 500/bag;<br>20 bags/case |

| Product Information |                                                                                                                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material            | • 100% cellulose                                                                                                                                                                                                                                                         |
| Construction        | • Nonwoven                                                                                                                                                                                                                                                               |
| Packaging materials | • Outer bags (OB1, OB2), low density polyethylene (LDPE) <br>Case (CS), corrugated fiberboard (PAP)  |
| Environment         | • ISO 6-8 Grade C/D                                                                                                                                                                                                                                                      |



| Technical Data                                                 |               |                             |
|----------------------------------------------------------------|---------------|-----------------------------|
| Attribute (units)                                              | Typical Value | Test Method                 |
| Basis weight, nominal; (g/m <sup>2</sup> )                     | 16.6          | Contec Method               |
| Sorbent capacity; (mL/m <sup>2</sup> )                         | 79.2          | IEST-RP-CC004.2, Sec. 7.1   |
| Sorptive rate; (seconds)                                       | 1             |                             |
| Non-volatile residue, NVR                                      |               | IEST-RP-CC004.3, Sec. 6.1.2 |
| In deionized water; (g/m <sup>2</sup> )                        | 0.0238        |                             |
| In isopropyl alcohol; (g/m <sup>2</sup> )                      | 0.0110        |                             |
| Specific ions                                                  |               | IEST-RP-CC004.2, Sec. 6.2.2 |
| Sodium; (ppm)                                                  | 199.83        |                             |
| Chloride; (ppm)                                                | 0             |                             |
| Particles, readily releasable                                  |               | IEST-RP-CC004.2, Sec. 5.2   |
| Particles $\geq 0.5\mu\text{m}$ ; ( $\times 10^6/\text{m}^2$ ) | 42.42         |                             |
| Fibers $\geq 100\mu\text{m}$ ; ( $\times 10^3/\text{m}^2$ )    | 0.517         |                             |

#### Recycle Symbols

|      |                                                                                      |
|------|--------------------------------------------------------------------------------------|
| PET  |   |
| HDPE |   |
| LDPE |   |
| PP   |   |
| PAP  |  |

| Packaging | EA/OB1 | OB1/OB2 | OB2/CS | EA/CS  |
|-----------|--------|---------|--------|--------|
| C6-99     | 50     | 1       | 12     | 12,500 |
| C6-1212   | 500    | 1       | 20     | 10,000 |

EA = each; OB = outer bag; CS = case

- Notes**
- a) The data shown are typical values and should not be used as product specifications.
  - b) Valid product comparisons may only be obtained through side-by-side testing in the same test facility, under similar conditions.
  - c) Current and/or comparison data may be available. Please contact a Contec sales representative for details.
  - d) All of Contec's packaging is compatible with hydrogen peroxide gassing applications.
  - e) These wipes are free of lint and loose fibers, and meet the definition of lint-free/low linting wipes according to the United States Pharmacopoeia Chapter 797 (USP-NF General Chapter <797> Pharmaceutical Compounding -Sterile Preparations) and the Institute of Environmental Sciences and Technology Recommended Practice IEST-RP-CC004.4

#### Test Methods:

1. CTM = Contec Test Method
2. IEST-RP-CC004.3 = Evaluating Wiping Materials Used in Cleanroom and Other Controlled Environments, Institute of environmental Sciences and Technology, Rolling Meadows IL.

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 CLEANROOM