

**LMS Technologies, Inc.**

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Date : November 15, 2023  
 Test Type : IEST-RP-CC001.7  
 Test Aerosol : Latex Beads, Neutralized  
 Flow Rate/Velocity: **52 cfm**  
 LMS #: 8784

Requested By: BNX Converting, LLC  
 Manufacturer: BNX Converting, LLC  
 Filter Model: **C7055**  
 Description: Light Blue Pleated Filter  
 Number of Pleats: 28-Plts  
 Filter Size: 7.5" x 8.5" x 1.5"

**Temp and Humidity: 70°F and 40%**

|                         |                         |
|-------------------------|-------------------------|
| Flow Rate(cfm)          | 52 cfm                  |
| ΔP (" H <sub>2</sub> O) | 0.235                   |
| Size Range (μm)         | Fractional Efficiency % |
| <b>0.1-0.2</b>          | <b>99.971</b>           |
| <b>0.2-0.3</b>          | <b>99.973</b>           |
| 0.3-0.5                 | 99.979                  |
| 0.5-0.7                 | 99.984                  |
| 0.7-1.0                 | 99.988                  |
| 1.0-2.0                 | 99.992                  |
| 2.0-3.0                 | 99.995                  |
| 3.0-5.0                 | 99.998                  |



$$F_{eff} = \frac{C_{up} - C_{down}}{C_{UP}} \times 100\%$$

F<sub>eff</sub> = Fractional Efficiency

C<sub>up</sub> = Particle Concentration Upstream of Filter

C<sub>down</sub> = Particle Concentration Downstream of Filter

