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To: To Whom It May Concern

Subject: Metro Utility Carts – Cleanroom Compatibility

InterMetro Industries has not conducted clean room testing specifically for Metro utility carts, however clean room testing has been conducted on Metro carts comprised of similar components.

Independent third party laboratory testing has confirmed that Metro carts constructed from stainless steel open wire shelving, stainless steel posts, plastic split sleeves, and 5MPGSA Advantage™ stainless steel casters (without bumpers), when tested in accordance with the IEST RP-26 Flowing Duct Method during stationary and mobile conditions, meet the requirements for use in clean room classifications down to and including Class 1 per US Federal Standard 209E and ISO Class 3 per ISO 14644-1 Clean Room Standards.

Testing was performed in a walk-in emissions test tunnel with a Particle Measuring Systems (PMS) Model 525 airborne optical particle counter (OPC). The results indicate that average airborne particle count emissions did not exceed 49 particles per cubic meter for particles $\geq 0.2 \mu\text{m}$ (0.2 micrometers) in size for mobile applications for both vinyl and perforated flooring. The requirements for a Federal Standard 209E Class 1 and comparative ISO Class 3 clean room per ISO 14664-1 standard indicate that the number of allowable particles $\geq 0.2 \mu\text{m}$ in size must average ≤ 237 particles per cubic meter.

In summary, the average airborne particulate count measured during testing of stationary and rolling carts utilizing the components mentioned above were well under the particle count criteria for the clean room classifications listed above. Therefore, in our opinion Metro stainless steel utility carts consisting of open wire stainless steel shelves, stainless steel handles, and stainless steel casters would likely meet most clean room application requirements. However, it remains up to the discretion of the clean room facility manager to make the final determination as to what Metro products are, or are not, appropriate for use in their clean room facility.

Sincerely,

Joseph W. Fry

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Product Engineer
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