



# Microcontamination Testing Services

## Cleanliness Test for Cleanroom Consumables



### Test Parameters for Cleanliness

- Outgassing by Static Headspace (SHS) and Dynamic Headspace (DHS)
- Ion Chromatograph (IC for Anions & Cations)
- Non Volatile Residue (NVR)
- Fourier Transform Infra-Red for Silicon Oil, DOP & Amide Slip (FTIR)
- Liquid Particle Count (LPC down to 0.1um particle)
- Turbidity
- Magnetic Particle Inspection using SEM-EDX
- Extractable Metals by ICP-MS & GFAAS

### Test Parameters for ESD

- Surface Resistance Test
- Static Decay Test
- Triboelectric Charge Accumulation
- Capacitive Probe Test

### Typical Samples

- Gloves (Nitrile, Latex & Vinyl)
- Finger Coat
- Wiper
- Haimet, Bouffant
- Face Mask
- Beard Cover
- Swab
- Paper
- Pen, Marker
- Label & Liner, Tape
- Plastic wrap/ Sheet/ Liner
- Plastic bag (Outer only)
- Garment
- ESD table mat
- Plastic tweezer
- Air tubing, Vacuum hose
- Foam, Curtain (film)
- Raw plastic (e. g. pomalux, polyurethane)
- Lubricant, Grease, Oil
- Grounding strap/cord

Kindly call us if you have further enquiry  
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### Our Methodology

- IEST, IEST-RP-CC-005
- Maxtor 10327 Specification for Consumable Indirect Materials.
- WD 92-004134, Packaging Cleanliness Specification
- WD Method 92-004259, For Gloves used in Controlled Environ
- EOS/ ESD S11.11 –1993
- EOS/ ESD S11.31 –1994
- Federal Test Method STD 101-Method 4046
- ASTM D257



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