

Medical AR&AF Coating Spectral & Durability Test Report

Test Sample: AR+AF Composite Coated Medical Aluminosilicate Glass Test
Equipment: UV-VIS Spectrophotometer, Disinfection Abrasion Tester Test
Wavelength: 380nm - 780nm visible band

Test Results

1. Base glass average transmittance: 91.7%
2. After AR coating: Average transmittance $\geq 98.3\%$, single-side reflectance 0.73%
3. Medical AF layer: Stable performance after 10,000 medical disinfectant wiping cycles, no coating peeling
4. No abnormal light absorption peak, uniform coating across full glass surface

Surface inspection: No pinholes, scratches or substrate bubbles, safe for long-term clinical use. Inspector: Senior Optical Coating Engineer Batch No. : Med-Coating-Test-001

Test Date: 2026