

Press-Release

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The SphereOptics calibration laboratory receives DAkkS accreditation according to ISO 17025 for measurements of the spectral reflectance of diffusely reflecting materials

The calibration laboratory of SphereOptics GmbH provides a DAkkS accredited measurement service (DIN EN ISO/IEC 17025:2018) for spectral reflectance. The calibration of diffusely reflecting materials is performed for the wavelength range from 250nm to 2450nm and complies with DIN 5036 Part 3: 11.79. This measurement service meets the constantly increasing demands of industry for accuracy and confidence from a process fully traceable to a national standard (PTB). Our laboratory offers this service for our own products, such as optical reference Standards and Targets, as well as for diffuse scattering samples of our customers. The accredited measurements are performed on a high-end spectrometer (PerkinElmer, Lambda 950) equipped with integrating sphere accessories.

The measurements in accordance with DIN EN ISO/IEC 17025:2018 for »spectral reflectance« and DIN 5036 Part 3: 11.79 for diffusely reflecting materials are critical in areas where the highest level of traceability and accuracy are required. In comparison to a factory calibration, the accredited service guarantees the traceability to the national Standard (PTB) and gives a documented analysis for each step in the calibration process, including error analyses. The ISO 17025 standard is highly regarded and recognised internationally. Typical areas for accredited services are LiDAR reference calibration, 1D and 2D sensors calibration, measurements in medical and pharmaceutical industry and for white referencing in remote sensing.

For more information, please contact SphereOptics on www.sphereoptics.de/en/ or email us info@sphereoptics.de.