

SEFAR® CleanDisc PET 5 µm mesh filter in yellow

Using yellow mesh filter to detect white and bright particles in the Technical Cleanliness analysis.



[FactBox]

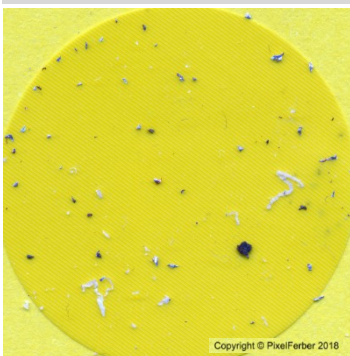
Application area

Yellow mesh filter allow a good light-optical contrast to detect white or bright particles or improve detection rate of dark particles
(Extended Analysis VDA 19-1).

Mesh Filter

SEFAR® CleanDisc
5 µm PET mesh filter
yellow
ø 47 mm or 25 mm

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Yellow mesh filter

Developed especially for the Technical Cleanliness, the new **SEFAR® CleanDisc 5 µm PET mesh filter in yellow** now allows the detection of white or bright particles. At the same time, it increases the light-optical contrast of dark and metal particles and increases the reliability of the detection. According the VDA 19-1, the yellow mesh filters additional property allows a norm conform extended analysis.

Specialty: Alignment of the filter

When using a light optical microscope, the mesh filter might reflect the microscope light at its yarn crossing points. Rotating the filter between 0° and 90° influences the intensity of the reflected light. When performing the standard analysis, the white reflections are neglected and consequently do not matter. Wanting to detect white particles, the reflection of the yarn crossing points start to matter. In contrast to the standard analysis, the direction of the filter to the light source is of relevance. Defining the best position of the filter to the microscopes is necessary one time. Therefore, all mesh filter are marked with a small marking in running direction of the tape. It is recommended to define a marking on the microscope table or the filter membrane fixation, allowing a reproducible and repeatable analysis.

Specialty: Behind the mesh filter

Performing the analysis of the mesh filter on the microscope requires a background in the alike color. Using white paper instead of yellow background might lead to mismeasurement.

Specialty: light-optical analysis

According the standard analysis in the VDA 19-1 all common microscopes offer a standard program. Using yellow mesh filters might require an adaption of the software. Get in touch with the supplier of the microscope to take profit of the new possibilities when using the yellow mesh filter.

Further questions? Mail to CleanDisc@sefar.com.

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