



Klüber Lubrication
Report No. KL 2601-1717
Cleanroom (atmospheric)

Cleanroom[®] Suitable Materials

Klübersynth BEM 34-32
vs. stainless steel ball: ISO 5
Particle Emission (coating)

COATING

Single product
Particle Emission
in Cleanroom
(atmospheric)

Qualification Certificate

We hereby certify that the material stated above, provided by

Klüber Lubrication
Munich, Germany

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number KL 2601-1717.

The level of particulate contamination emitted during application of tribological stress on the material pairing in cleanroom (room temperature: $22^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$; relative humidity: $45\% \pm 5\%$) specified lies within the permissible values of the corresponding Air Cleanliness Class in accordance with ISO 14644-1:

Material pairing and test procedure		Suitable for Air Cleanliness Class
Klübersynth BEM 34-32 (beige)	vs. stainless steel 1.3541/1.4034	ISO Class: 5
Ball-on-disc test normal force: 3 N		

This document only applies to the named product in its original state and is valid for a period of 5 years from the current date the document was issued. The document can be verified under www.tested-device.com.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

The norms stated generally refer to the version valid at the time of the tests.

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on behalf of 
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification