

Institut für Energie- und Umwelttechnik e.V. (IUTA)

Air Quality & Filtration
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- IUTA-CERTIFICATE -

Validation of compressed air filters according to ISO 12500-1:2007

(Filters for compressed air – Test methods – Oil aerosols)

Customer: BEKO Technologies GmbH
Tested product: 3 cartridges model "04SX" usage for super fine filter
IUTA test report: UN2-160524-T5596900-035d

Test parameters Inlet pressure Air flow Test inlet oil concentration Compressor oil viscosity	7 bar (e) 35 Sm ³ /h (ANR) = 100% nominal flow rate 9.7 mg/m ³ ISO VG 46 (Corena S3 R46)			
Test results	Cartridge 1	Cartridge 2	Cartridge 3	Average
Dry pressure drop* [mbar]	34	33	33	33
Saturated pressure drop* [mbar]	86	105	101	97
Mean outlet oil concentration [mg/m³ (ANR)]**	0.002	0.002	0.003	0.002
Filtration efficiency (The calculation is based on the data shown in the test report)				99.98 %

*Pressure drop measured upstream and downstream of the filter-housing .

**Mean value of 3 analyses per cartridge (see test report UN2-150930-T55969.00-068b).

The cartridges were mounted in filter housing model "S040"

Duisburg, 01. March 2017

Managing Director

Head of Department

Vereinsregister VR 2872, Duisburg

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Zugelassene Prüfstelle im Sinne
TA Luft 5.4.8.10.3, 5.4.8.11.3

Zertifizierter Entsorgungsbetrieb