

Institut für Energie- und
Umwelttechnik e.V. (IUTA)
Air Quality & Filtration
Bliersheimer Straße 58 – 60
47229 Duisburg
Germany



- IUTA-CERTIFICATE -
Validation of compressed air filters
in accordance to ISO 12500-1:2007
(Filters for compressed air – Test methods – Oil aerosols)

Customer: ETHAFILTER s.r.l., Via dell'Artigianato, 16/18, I-36050 Sovizzo (Vicenza), Italia
Tested product: Model EAL SMA
IUTA test report: LrF 89/13
Tested cartridge: Threefold measurement of three cartridges model EAL 1308 SMA

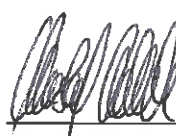
Test parameters				
Inlet pressure	7 bar (e) [8 bar (a)]			
Air flow	30 Nm ³ /h = 100 % nominal flow rate			
Test inlet oil concentration	10 ± 2 mg/m ³			
Compressor oil viscosity	ISO VG 46			
Test results	Cartridge 1	Cartridge 2	Cartridge 4	Average
Dry pressure drop * (mbar)	55	55	61	57
Saturated pressure drop	201	167	175	181
Mean outlet oil concentration [mg/m³ (ANR)]**	0.013 ± 0.001	0.010 ± 0.001	0.012 ± 0.002	0.012 ± 0.002
Filtration efficiency (The calculation is based on the data shown in the test report)				99.88 %

* Pressure drop measured on the top of the filter-housing model NEA 108 SMA

** Mean outlet oil concentration of each of three cartridges is determined by averaging the results of a threefold measurement on each cartridge (nine measurements in total) and finally the total average is shown.

Duisburg, 18th December 2013


Managing Director


Department Head

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Bekanntgegebene Meßstelle für
Messungen/Untersuchungen nach:
§§ 26, 28 BImSchG
Zertifizierter Entsorgungsbetrieb
Zugelassene Prüfstelle im Sinne
TA Luft 5.4.8.10.3, 5.4.8.11.3