

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 according to ISO 12500-2:2007

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

Customer: Airfilter Engineering (M) Sdn. Bhd. No. 20, Jalan Anggerik Mokara 31/47,
Kota Kemuning, 40460 Shah Alam, Selangor, Malaysia

Tested products: Single measurement of 3 filter cartridges model "Grade C"

IUTA test report: UN2-140814-55969.00-008-AFE

| Test parameters | 7 bar (e) [8 bar (a)] | | | |
|---|---|-------------|-------------|---------------|
| | 50 m ³ /h (ANR) | | | |
| Inlet pressure | 100 mg/kg air (33.6 ppm) | | | |
| Air flow for testing | by flow till weight constance (dew point – 40 °C) | | | |
| Test agent (n-hexane) concentration in air | | | | |
| Conditioning of the filter cartridges | | | | |
| Test results | Cartridge 1 | Cartridge 2 | Cartridge 3 | Average |
| Pressure drop [mbar] | 24-25 | 24 | 24 | 24.2 |
| Time until breakthrough of 80 mg/kg air (80%) [min] | 15.5 | 16 | 15.9 | 15.8 |
| Mass of test agent adsorbed [mg] (until breakthrough of 80 mg/kg air) | 1043 | 1103 | 1069 | 1071.7 |

The cartridges were mounted in filter housing model: BB141033.

Duisburg, 14th November 2014



Managing Director



Department Head