



- IUTA-CERTIFICATE -
Validation of compressed air filters
according to ISO 12500-3:2009^{1) 2)}

(Filters for compressed air – Test methods – Particulates)

- 1) According to the state of the art in particle measurement technology via online optical aerosol spectrometry particle sizes < 0.14 µm cannot be detected under pressure.
2) Particle size range: (0.19 – 2.74) µm

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

Tested product: Grade H

IUTA test report: LrF 34/14


Tested cartridge: Single measurement of three cartridges model Grade H

Test parameter Inlet pressure Air flow Flow direction Test aerosol Particle size range Aerosol spectrometer	7 bar (e) [8 bar (a)] 50 Nm ³ /h = 100 % nominal flow rate from inside to outside DEHS (0.19 – 2.74) µm PCS 1200 (Palas GmbH)		
Test results			
Particle diameter [µm] * (mbar) diameter [µm] lower upper	0.19 0.24	0.24 0.36	0.36 0.52
Average efficiency [%]	99.999	99.9998	99.9999

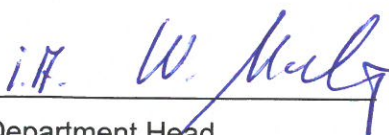
Remark: The product was tested under the designation "Grade H"

* Averages were calculated from the data shown in the test report (mean values of 3 tests in filter housing model "BB141033").

Duisburg, 20th August 2014



Managing Director



Department Head