



- 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 U
IUTA test report: LrF 34/14
Tested cartridge: Single measurement of three cartridges model Grade U

Test parameter					
Inlet pressure	7 bar (e) [8 bar (a)]				
Air flow	50 Nm ³ /h = 100 % nominal flow rate				
Flow direction	from inside to outside				
Test aerosol	DEHS				
Particle size range	(0.19 – 2.74) µm				
Aerosol spectrometer	PCS 1200 (Palas GmbH)				
Test results					
Particle diameter [µm]	lower	0.19	0.24	0.36	0.52
	upper	0.24	0.36	0.52	0.81
Average efficiency [%]		99.998	99.9989	99.9998	99.99998

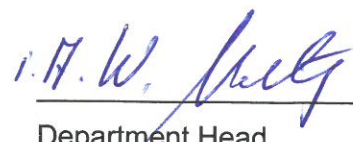
Remark: The product was tested under the designation "Grade U"

* 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