



Fractional Efficiency Report: JX83-B-PTFE-MEM_0000.frac.pal

Fractional Efficiency

05/05/2020 13:52:22

User: BH

type:

media: JX83-B-PTFE-MEM

project number:

customer: JP AIR TECH

book number:

note: 2,85 l/min UGF 100% DEHS

remark:

Test Conditions

Filter Area:	100 cm ²	Dust/Aerosol:	100 % DEHS
Face Velocity:	5.3 cm/s	Discharge:	No
Dust Mass Concentration:	0.0 mg/m ³	Total Volume Flow:	31.8 l/min
PDI_TEST Start:	362 Pa	PDI_TEST End:	368 Pa

Statistics

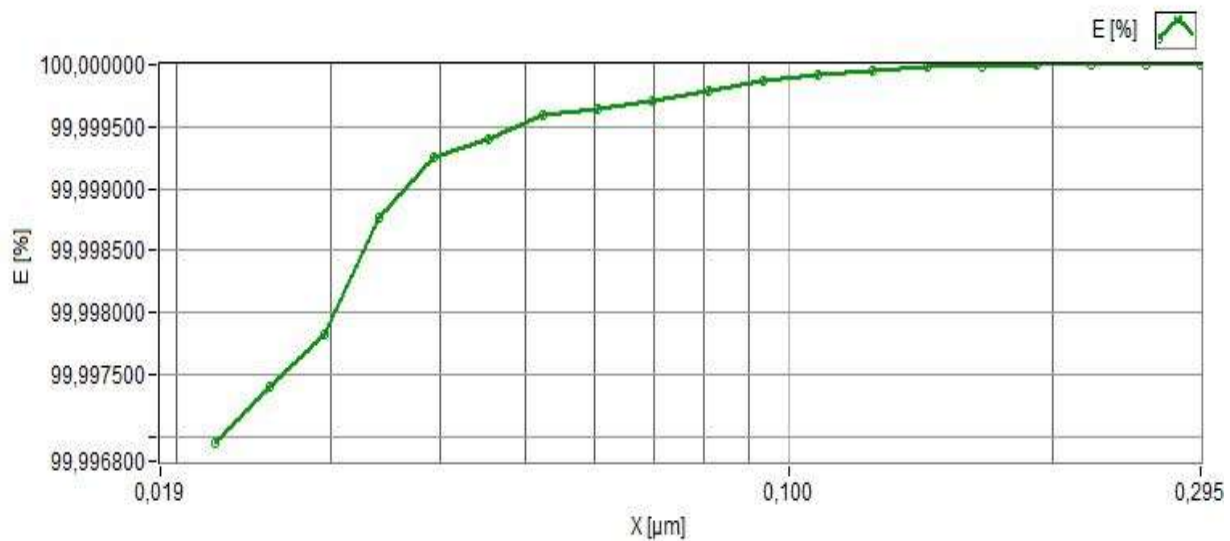
x50 = NaN μm x80 = NaN μm x95 = NaN μm Retention = 100.000 %

2 x Downstream measurement: 685 s 685 s - 2 x Upstream measurement: 385 s 385 s

Fractional Efficiency

JX83-B-PTFE-MEM_0000.frac.pal
Fractional Efficiency

100% * (1 - dNdownstr./t)



Frac. Efficiency Table

Xu [μm]	X [μm]	Xo [μm]	dX [μm]		dNup [P/s]	dNdown [P/s]		P [%]	E [%]
0.018	0.019	0.021	0.003		0.000	0.000		NaN	NaN
0.021	0.022	0.024	0.003		20.019	0.001		0.003051	99.996949
0.024	0.026	0.027	0.004		130.998	0.004		0.002597	99.997403
0.027	0.030	0.032	0.004		107.446	0.001		0.002175	99.997825
0.032	0.034	0.037	0.005		79.395	0.001		0.001237	99.998763
0.037	0.039	0.042	0.006		96.962	0.000		0.000755	99.999245
0.042	0.045	0.049	0.007		181.267	0.001		0.000601	99.999399
0.049	0.052	0.056	0.008		439.774	0.002		0.000408	99.999592
0.056	0.061	0.065	0.009		949.417	0.004		0.000350	99.999650
0.065	0.070	0.075	0.010		2025.574	0.006		0.000295	99.999705
0.075	0.081	0.087	0.012		3982.871	0.008		0.000207	99.999793
0.087	0.093	0.100	0.013		6946.330	0.008		0.000134	99.999866
0.100	0.108	0.115	0.015		10104.551	0.006		0.000083	99.999917
0.115	0.124	0.133	0.018		12144.317	0.004		0.000044	99.999956
0.133	0.144	0.154	0.021		12200.674	0.002		0.000021	99.999979
0.154	0.166	0.178	0.024		10627.495	0.000		0.000010	99.999990
0.178	0.192	0.205	0.028		8524.505	0.000		0.000004	99.999996
0.205	0.221	0.237	0.032		6346.795	0.000		0.000001	99.999999
0.237	0.255	0.274	0.037		4638.425	0.000		0.000001	99.999999
0.274	0.295	0.316	0.042		4467.269	0.000		0.000000	100.000000