



Fractional Efficiency Report: JX81-B-PTFE-MEM_0000.frac.pal

Fractional Efficiency

31/03/2020 15:57:41

User: JP

type:

media: JX81-B-PTFE-MEM

project number:

customer:

book number:

note: 2,5 l/min UGF 100% DEHS

remark:

Test Conditions

Filter Area:	100 cm ²	Dust/Aerosol:	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:	153 Pa	PDI_TEST End:	155 Pa

Statistics

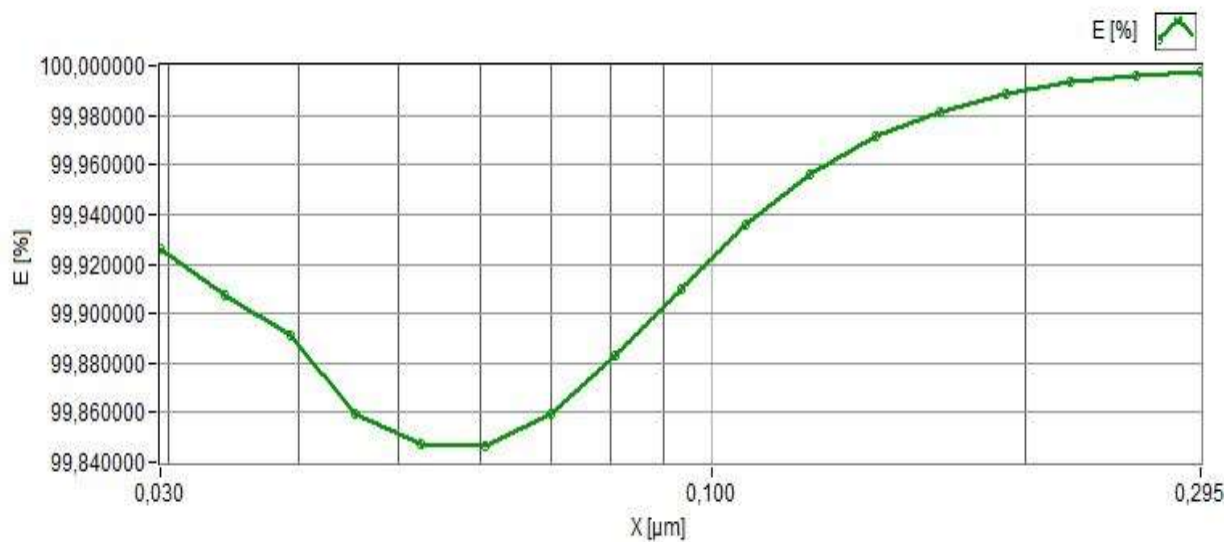
x50 = 0,028 µm x80 = 0.029 µm x95 = 0.029 µm Retention = 99.965 %

1 x Downstream measurement: 285 s - 1 x Upstream measurement: 285 s

Fractional Efficiency

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100% * (1 - dCndown / dCnup)



Frac. Efficiency Table

Xu [μm]	X [μm]	Xo [μm]	dX [μm]		dCnup [P/cm ²]	dCndown [P/cm ²]		P [%]	E [%]
0.027	0.030	0.032	0.004		907.277	0.123		0.073787	99.926213
0.032	0.034	0.037	0.005		540.366	0.494		0.092254	99.907746
0.037	0.039	0.042	0.006		2180.885	2.537		0.108971	99.891029
0.042	0.045	0.049	0.007		6362.819	9.395		0.140289	99.859711
0.049	0.052	0.056	0.008		15946.110	28.040		0.152645	99.847355
0.056	0.061	0.065	0.009		37853.564	64.416		0.153448	99.846552
0.065	0.070	0.075	0.010		80853.179	123.887		0.140802	99.859198
0.075	0.081	0.087	0.012		156655.628	188.535		0.116769	99.883231
0.087	0.093	0.100	0.013		281346.592	237.526		0.090145	99.909855
0.100	0.108	0.115	0.015		442883.758	246.576		0.064468	99.935532
0.115	0.124	0.133	0.018		572792.572	212.211		0.043631	99.956369
0.133	0.144	0.154	0.021		611199.942	151.833		0.028626	99.971374
0.154	0.166	0.178	0.024		564974.925	91.336		0.018409	99.981591
0.178	0.192	0.205	0.028		478963.105	45.025		0.011378	99.988622
0.205	0.221	0.237	0.032		378519.562	17.366		0.006565	99.993435
0.237	0.255	0.274	0.037		268742.524	5.089		0.004165	99.995835
0.274	0.295	0.316	0.042		170561.691	1.327		0.002420	99.997580