



Fractional Efficiency Report: jx82-b-ptfe-mem_0001.frac.pal

Fractional Efficiency
 06/05/2020 08:46:52
 User: E
 type:
 media: JX82-B-PTFE-MEM
 project number:
 customer: JP AIR TECH
 book number:
 note: 2,75 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:	216 Pa	PDI_TEST End:	219 Pa

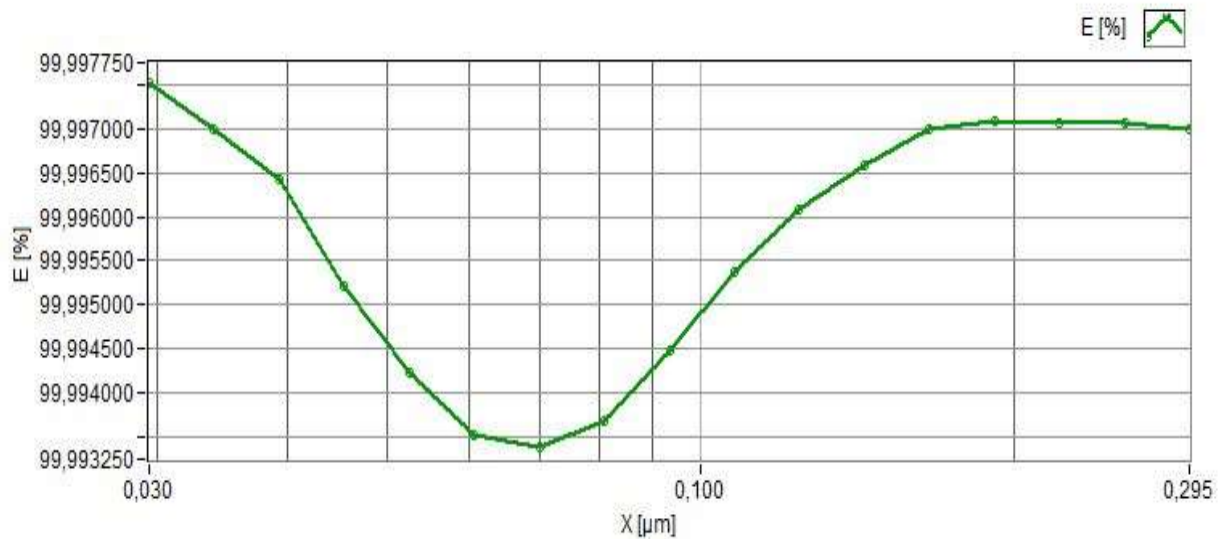
Statistics

x50 = 0,028 µm x80 = 0.029 µm x95 = 0.029 µm Retention = 99.996 %

1 x Downstream measurement: 385 s - 1 x Upstream measurement: 285 s

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 Fractional Efficiency

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		23144.391	0.403		0.002481	99.997519
0.032	0.034	0.037	0.005		14268.540	0.397		0.002993	99.997007
0.037	0.039	0.042	0.006		16040.961	0.468		0.003575	99.996425
0.042	0.045	0.049	0.007		16772.266	0.760		0.004775	99.995225
0.049	0.052	0.056	0.008		31651.209	1.868		0.005765	99.994235
0.056	0.061	0.065	0.009		54713.883	4.236		0.006474	99.993526
0.065	0.070	0.075	0.010		105036.044	8.118		0.006605	99.993395
0.075	0.081	0.087	0.012		210409.396	13.608		0.006317	99.993683
0.087	0.093	0.100	0.013		362950.627	18.818		0.005508	99.994492
0.100	0.108	0.115	0.015		555111.943	24.753		0.004620	99.995380
0.115	0.124	0.133	0.018		699051.835	25.852		0.003908	99.996092
0.133	0.144	0.154	0.021		723668.151	23.803		0.003414	99.996586
0.154	0.166	0.178	0.024		660467.357	19.202		0.003004	99.996996
0.178	0.192	0.205	0.028		534989.124	14.528		0.002906	99.997094
0.205	0.221	0.237	0.032		399866.201	9.641		0.002929	99.997071
0.237	0.255	0.274	0.037		297541.062	9.539		0.002934	99.997066
0.274	0.295	0.316	0.042		287636.069	9.793		0.003007	99.996993