



**Fractional Efficiency Report: JX79-B-PTFE-MEM\_0000.frac.pal**

Fractional Efficiency  
 23/04/2020 09:18:36  
 User: BH  
 type:  
 media: JX79-B-PFTE-MEMBRANE  
 project number:  
 customer: JP AIR TECH  
 book number:  
 note: 2,5 l/min UGF 100% DEHS  
 remark:

**Test Conditions**

Filter Area:	100 cm <sup>2</sup>	Dust/Aerosol:	DEHS
Face Velocity:	5.3 cm/s	Discharge:	No
Dust Mass Concentration:	0.0 mg/m <sup>3</sup>	Total Volume Flow:	31.8 l/min
PDI_TEST Start:	42 Pa	PDI_TEST End:	43 Pa

**Statistics**

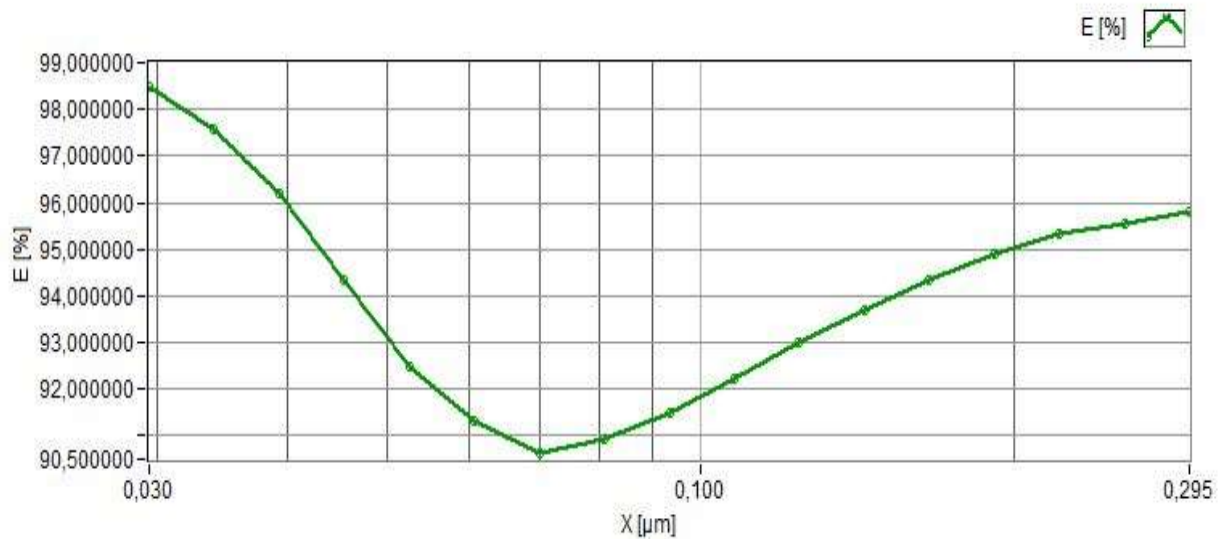
x50 = 0,028 µm                      x80 = 0.029 µm                      x95 = 0.029 µm                      Retention = 93.838 %

1 x Downstream measurement: 225 s - 1 x Upstream measurement: 225 s

Fractional Efficiency ▾

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 Fractional Efficiency

$100\% * (1 - dC_{down} / dC_{nup})$



**Frac. Efficiency Table**

Xu [ $\mu\text{m}$ ]	X [ $\mu\text{m}$ ]	Xo [ $\mu\text{m}$ ]	dX [ $\mu\text{m}$ ]		dCnup [P/cm <sup>2</sup> ]	dCndown [P/cm <sup>2</sup> ]		P [%]	E [%]
0.027	0.030	0.032	0.004		5356.929	9.161		1.499105	98.500895
0.032	0.034	0.037	0.005		6500.309	44.646		2.426536	97.573464
0.037	0.039	0.042	0.006		4955.902	180.368		3.802821	96.197179
0.042	0.045	0.049	0.007		11392.119	593.396		5.680956	94.319044
0.049	0.052	0.056	0.008		18128.398	1687.384		7.521141	92.478859
0.056	0.061	0.065	0.009		40412.607	3864.129		8.679192	91.320808
0.065	0.070	0.075	0.010		80596.037	7969.142		9.381098	90.618902
0.075	0.081	0.087	0.012		147294.189	13889.429		9.067336	90.932664
0.087	0.093	0.100	0.013		259674.369	22639.353		8.519923	91.480077
0.100	0.108	0.115	0.015		398061.831	30806.590		7.764448	92.235552
0.115	0.124	0.133	0.018		511042.817	34876.763		7.017663	92.982337
0.133	0.144	0.154	0.021		566089.326	34590.249		6.303505	93.696495
0.154	0.166	0.178	0.024		540026.209	30758.775		5.669564	94.330436
0.178	0.192	0.205	0.028		466979.191	24038.093		5.108445	94.891555
0.205	0.221	0.237	0.032		368235.940	16826.330		4.684383	95.315617
0.237	0.255	0.274	0.037		276649.516	11118.628		4.431530	95.568470
0.274	0.295	0.316	0.042		267432.640	10670.760		4.192849	95.807151