



**Fractional Efficiency Report: JX80-B-PTFE-MEM\_0000.frac.pal**

Fractional Efficiency  
 23/04/2020 09:30:13  
 User: BH  
 type:  
 media: JX80-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:	115 Pa	PDI_TEST End:	117 Pa

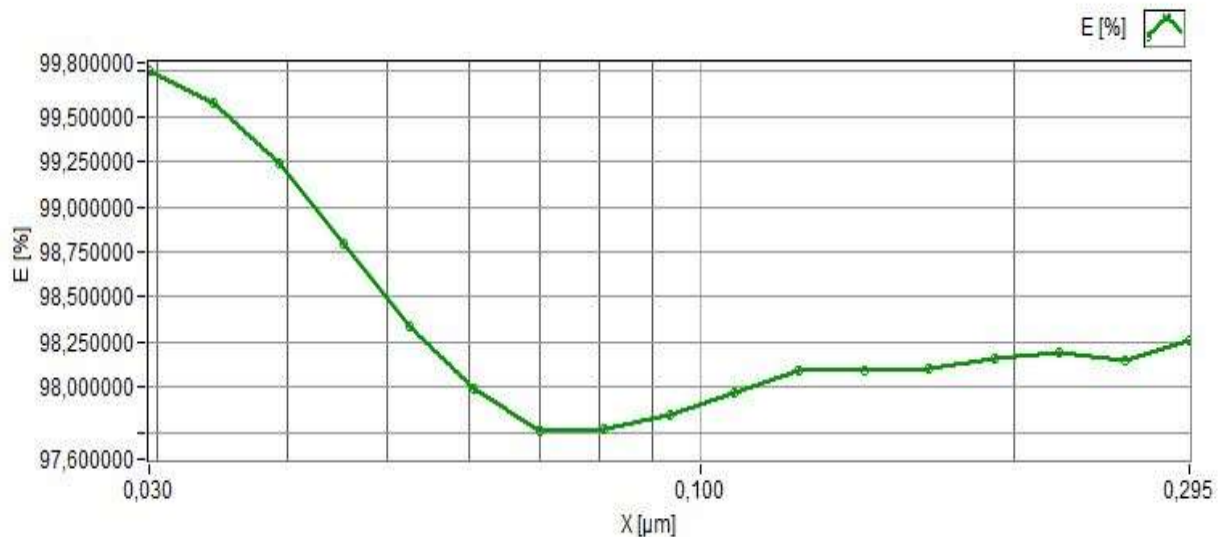
**Statistics**

x50 = 0,028 µm                      x80 = 0.029 µm                      x95 = 0.029 µm                      Retention = 98.112 %

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

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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		10768.192	3.431		0.241279	99.758721
0.032	0.034	0.037	0.005		9464.192	11.831		0.420589	99.579411
0.037	0.039	0.042	0.006		8211.765	46.558		0.753500	99.246500
0.042	0.045	0.049	0.007		14333.659	137.390		1.205806	98.794194
0.049	0.052	0.056	0.008		19802.292	412.907		1.658155	98.341845
0.056	0.061	0.065	0.009		41717.276	956.741		2.005293	97.994707
0.065	0.070	0.075	0.010		84358.470	2013.426		2.247351	97.752649
0.075	0.081	0.087	0.012		157968.425	3637.470		2.236501	97.763499
0.087	0.093	0.100	0.013		269912.026	5853.878		2.156138	97.843862
0.100	0.108	0.115	0.015		412191.409	8371.164		2.035275	97.964725
0.115	0.124	0.133	0.018		521088.484	9856.817		1.906038	98.093962
0.133	0.144	0.154	0.021		560161.320	9984.517		1.910906	98.089094
0.154	0.166	0.178	0.024		553834.956	9174.112		1.892968	98.107032
0.178	0.192	0.205	0.028		353579.128	7754.522		1.840800	98.159200
0.205	0.221	0.237	0.032		301467.011	5852.074		1.811601	98.188399
0.237	0.255	0.274	0.037		281167.096	4585.112		1.850383	98.149617
0.274	0.295	0.316	0.042		277083.490	4534.308		1.736127	98.263873