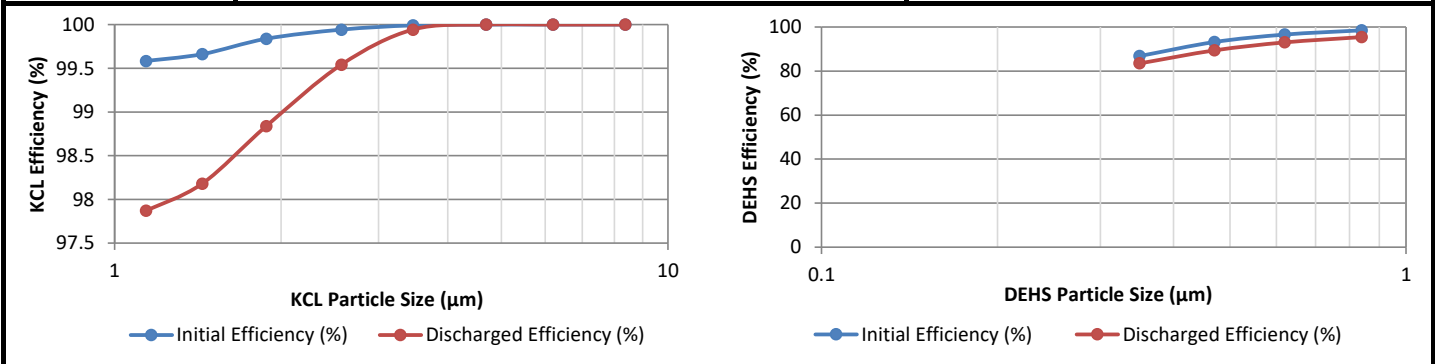
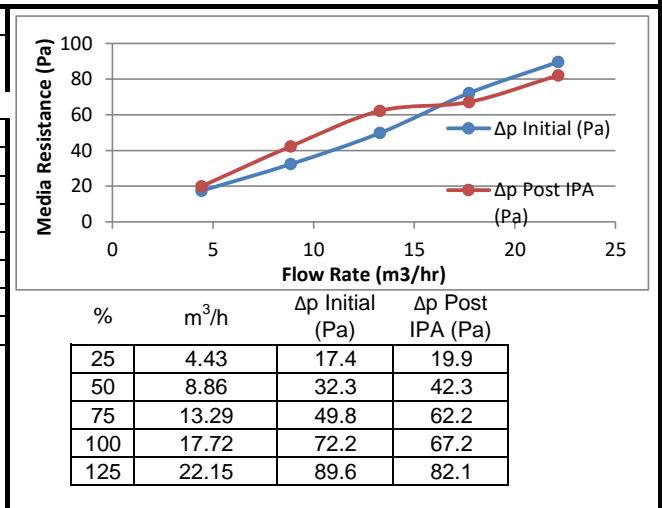


Counter Information	Manufacturer <u>TSI, Inc.</u>	Test Conditions	Test Flow Rate <u>10.5 CFM / 17.84 m3/h</u>
	Model No. <u>3330</u>		Test Aerosol <u>Aerosolized KCl & DEHS</u>
	Serial No. <u>3330174305</u>	Temperature <u>73.0 Deg F / 22.8 Deg C</u>	Relative Humidity <u>36.0 %</u>
	IPA Discharge Method <input checked="" type="checkbox"/> Vapor Treated <input type="checkbox"/> IPA Dip Method	Barometer <u>29.58 in Hg / 100.17 kPa</u>	

Device Tested	Manufacturer <u>JP Air Tech</u>
	Model <u>JX260-B-Nano-9</u>
	Dimensions <u>16" x 16"</u>
	Type of Media <u>Flat Sheet Media</u>
	Media Area <u>1.0 ft^2</u>
	Construction <u>N/A</u>
	Filter/Media Electrostatic Charge <u>N/A</u>
	Media Color <u>White</u>
	Media Adhesive <u>N/A</u>
Sample Procurement <u>JP Air Tech</u>	



KCL					
Range (µm)	Geo. Mean	Initial Efficiency (%)	Discharged Efficiency (%)	Upstream Number of Particles per Test	
				Pre	Post
1.0-1.3	1.14	100	98	51601	62444
1.3-1.6	1.44	100	98	29762	35203
1.6-2.0	1.88	100	99	70493	82131
2.0-3.0	2.57	100	100	43469	48871
3.0-4.0	3.46	100	100	21496	24535
4.0-5.5	4.69	100	100	10267	14062
5.5-7.0	6.20	100	100	1867	3887
7.0-10.0	8.37	100	100	1040	2459



DEHS					
Range (µm)	Geo. Mean	Initial Efficiency (%)	Discharged Efficiency (%)	Upstream Number of Particles per Test	
				Pre	Post
0.3-0.4	0.35	87	83	245736	401284
0.4-0.55	0.47	93	89	229576	387246
0.55-0.7	0.62	97	93	146977	257229
0.7-1.0	0.84	99	95	207215	374846

Reporting Data			
	ePM ₁	ePM _{2,5}	ePM ₁₀
Minimum	89%	92%	98%
Average	91%	94%	98%
Reported	90%	90%	95%

Requestor Information	Test Requestor <u>Cagri Tekman</u>	Phone: <u>+90 532 686 9259</u>
	Company Name <u>JP Air Tech</u>	Email: <u>ct@jpairtech.com</u>
	Company Address <u>Skifervej 2, 4990 Saksbøbing, Denmark</u>	Requested Date: _____

ISO 16890-1										
Data Entry Table							Reporting Data			
DEHS								ePM ₁	ePM _{2.5}	ePM ₁₀
d _i	d _{i+1}	d _m	Δln d _i	E _{Δi}	E _{D,i}	E _{A,i}	Minimum	89%	92%	--
0.30	0.40	0.35	0.29	86.8%	83.5%	85.1%	Average	91%	94%	98%
0.40	0.55	0.47	0.32	93.2%	89.4%	91.3%	Reported	90%	90%	95%
0.55	0.70	0.62	0.24	96.6%	93.0%	94.8%				
0.70	1.00	0.84	0.36	98.5%	95.4%	97.0%				
KCL										
1.00	1.30	1.14	0.26	99.6%	97.9%	98.7%				
1.30	1.60	1.44	0.21	99.7%	98.2%	98.9%				
1.60	2.20	1.88	0.32	99.8%	98.8%	99.3%				
2.20	3.00	2.57	0.31	99.9%	99.5%	99.7%				
3.00	4.00	3.46	0.29	100.0%	99.9%	100.0%				
4.00	5.50	4.69	0.32	100.0%	100.0%	100.0%				
5.50	7.00	6.20	0.24	100.0%	100.0%	100.0%				
7.00	10.00	8.37	0.36	100.0%	100.0%	100.0%				
ePM ₁ Calculations										
d _i	d _{i+1}	d _m	Δln d _i	E _{Δi}	q _{3σ}	q _{3σ} *Δln d _i	E _{D,i} *q _{3σ} *Δln d _i	E _{A,i} *q _{3σ} *Δln d _i	E _{min} (PM ₁)	E(PM ₁)
0.30	0.40	0.35	0.29	85.1%	22.627%	0.065095	0.054328	0.055416	89%	91%
0.40	0.55	0.47	0.32	91.3%	19.891%	0.063343	0.056612	0.057815		
0.55	0.70	0.62	0.24	94.8%	15.837%	0.038193	0.035525	0.036202		
0.70	1.00	0.84	0.36	97.0%	11.522%	0.041097	0.039215	0.039848		
Sums:					0.207728	0.185680	0.189281			
ePM _{2.5} Calculations										
d _i	d _{i+1}	d _m	Δln d _i	E _{Δi}	q _{3σ}	q _{3σ} *Δln d _i	E _{D,i} *q _{3σ} *Δln d _i	E _{A,i} *q _{3σ} *Δln d _i	E _{min} (PM _{2.5})	E(PM _{2.5})
0.30	0.40	0.35	0.29	85.1%	22.627%	0.065095	0.054328	0.055416	92%	94%
0.40	0.55	0.47	0.32	91.3%	19.891%	0.063343	0.056612	0.057815		
0.55	0.70	0.62	0.24	94.8%	15.837%	0.038193	0.035525	0.036202		
0.70	1.00	0.84	0.36	97.0%	11.522%	0.041097	0.039215	0.039848		
1.00	1.30	1.14	0.26	98.7%	8.503%	0.022309	0.021835	0.022026		
1.30	1.60	1.44	0.21	98.9%	7.618%	0.015817	0.015530	0.015647		
1.60	2.20	1.88	0.32	99.3%	8.022%	0.025546	0.025249	0.025377		
2.20	3.00	2.57	0.31	99.7%	9.984%	0.030966	0.030824	0.030886		
Sums:					0.302366	0.279117	0.283216			
ePM ₁₀ Calculations										
d _i	d _{i+1}	d _m	Δln d _i	E _{Δi}	q _{3σ}	q _{3σ} *Δln d _i	E _{D,i} *q _{3σ} *Δln d _i	E _{A,i} *q _{3σ} *Δln d _i	E _{min} (PM ₁₀)	E(PM ₁₀)
0.30	0.40	0.35	0.29	85.1%	9.412%	0.027077	0.022598	0.023051	98%	98%
0.40	0.55	0.47	0.32	91.3%	8.395%	0.026733	0.023892	0.024400		
0.55	0.70	0.62	0.24	94.8%	7.432%	0.017924	0.016672	0.016989		
0.70	1.00	0.84	0.36	97.0%	7.014%	0.025016	0.023870	0.024256		
1.00	1.30	1.14	0.26	98.7%	7.628%	0.020013	0.019588	0.019759		
1.30	1.60	1.44	0.21	98.9%	8.833%	0.018340	0.018006	0.018142		
1.60	2.20	1.88	0.32	99.3%	10.804%	0.034406	0.034007	0.034179		
2.20	3.00	2.57	0.31	99.7%	13.726%	0.042573	0.042378	0.042463		
3.00	4.00	3.46	0.29	100.0%	16.708%	0.048067	0.048040	0.048051		
4.00	5.50	4.69	0.32	100.0%	19.542%	0.062233	0.062233	0.062233		
5.50	7.00	6.20	0.24	100.0%	21.671%	0.052261	0.052261	0.052261		
7.00	10.00	8.37	0.36	100.0%	23.143%	0.082545	0.082545	0.082545		
Sums:					0.457189	0.446090	0.448329			

