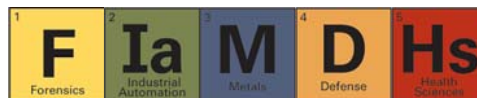
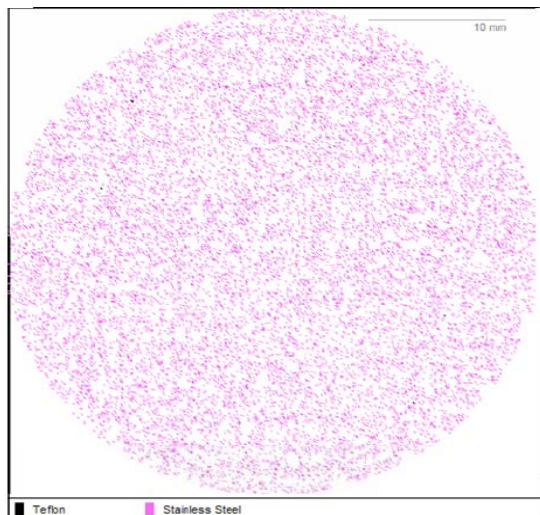


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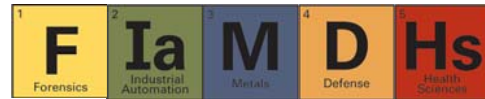


Particle Distribution Map

Particle Size Characterization of Inhalable Drug Product

Class (15)	Total		DAve um	DMin um	DMax um
Teflon	13	Average	5.8	2.7	16.8
Talc	486	Average	3.9	2.7	5.8
Calcium Rich	6	Average	4.3	3.7	5.2
Aluminum Rich	161	Average	3.6	1.8	6.3
Glass	1085	Average	2.0	1.2	3.1
Chromium Rich	24	Average	0.9	0.5	1.7
Cr & Mn Rich	19	Average	0.8	0.4	1.4
Chromium and Iron	210	Average	1.0	0.5	1.9
Nickel and Iron		Average			
Nickel Rich	2	Average	1.6	1.0	2.2
Stainless	16545	Average	1.2	0.6	2.3
Iron Rich	2708	Average	1.2	0.7	2.3
Misc Salts	11	Average	4.8	1.9	9.5
Unclassified	137	Average	1.8	0.9	3.3

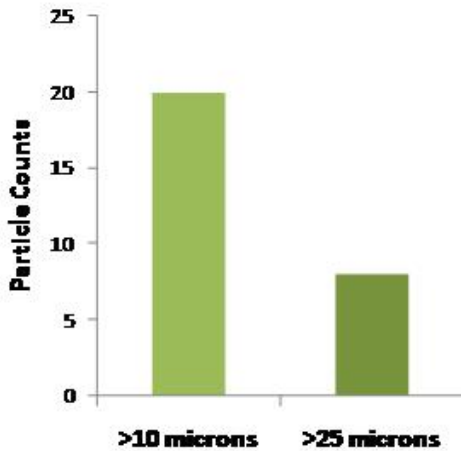
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Class (15)	Total		F	Na	Mg	Al	Si	P	Cl	K	Ca	Cr	Mn	Fe	Ni
Teflon	13	Average	49.0	0.0	1.9	0.7	2.5	2.4	0.6	0.8	0.8	10.5	0.6	19.4	4.4
Talc	486	Average	0.7	0.0	26.2	8.8	51.2	1.3	0.5	0.2	2.2	1.0	0.9	3.5	1.6
Calcium Rich	6	Average	0.0	0.0	11.1	0.0	0.0	0.0	0.0	2.2	81.7	0.0	0.0	0.0	1.2
Aluminum Rich	161	Average	3.3	0.0	0.5	82.1	0.5	2.1	0.1	0.0	0.8	1.0	1.4	2.1	2.4
Glass	1085	Average	0.5	0.0	0.5	15.8	60.5	1.3	0.1	0.4	3.8	2.7	1.5	8.4	3.0
Chromium Rich	24	Average	0.3	0.0	0.0	0.0	1.7	1.5	0.0	0.4	1.7	88.5	0.4	0.8	0.4
Cr & Mn Rich	19	Average	0.3	0.0	0.0	0.0	1.6	3.6	0.0	0.0	0.0	77.8	13.2	1.0	0.7
Chromium and Iron	210	Average	0.0	0.0	0.1	0.2	0.3	1.1	0.1	0.1	0.3	35.6	0.4	59.7	0.9
Nickel and Iron		Average													
Nickel Rich	2	Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Stainless	16545	Average	0.0	0.0	0.0	0.1	0.2	0.8	0.0	0.0	0.1	17.9	1.7	64.5	14.2
Iron Rich	2708	Average	0.0	0.0	0.1	0.2	0.4	1.4	0.0	0.1	0.3	14.0	2.3	78.0	2.3
Misc Salts	11	Average	1.0	0.0	18.3	28.1	2.5	10.1	15.0	0.0	0.0	4.9	0.8	8.7	2.3
Unclassified	137	Average	1.3	0.0	0.2	9.3	1.4	3.6	0.6	0.4	1.5	15.8	5.6	15.9	10.2
All particles	21407	Average	0.1	0.0	0.7	1.8	4.4	0.9	0.0	0.1	0.4	16.4	1.8	61.0	11.5

Elemental Composition Table for Inhalable Drug Powder



Histogram Plot of Number of Particles less than 10 and less than 25 microns. Used to meet USP <788> Criteria