Figure 1A

Sample No.	Active material			Primary Matrix		Surfactant #1			Surfactant #2			2nd Matrix			Time (mins.)	Particle Size						Yield (%)	Variations
	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w		D(0.5) µm	% <0.20 µm	% <0.30 µm	% < 0.5 µm	% < 1.0 µm	% < 2.0 µm		
A	NAA	1	25	MAN	3	75										20	0.181	55	74	87	94	97		
B	NAA	60	30	MAN	138	69	SDS	2	1							50	0.181	55	73	86	92	96		
C	NAA	70	35	MAN	128	64	SDS	2	1							60	0.177	57	74	86	90	93		
D	NAA	60	30	LAC	138	69	SDS	2	1							40	0.232	44	59	70	78	90		E
E	NAA	70	35	LAC	128	64	SDS	2	1							60	0.224	72	81	92	81	92		
F	NAA	70	35	LAC	128	64	SDS	2	1							60	0.345	35	47	56	61	73		E
G	NAA	80	40	LAC	118	59	SDS	2	1							45	2.039	19	26	31	36	49		
H	NAA	1	25	XYL	3	75										20	0.177	56	74	85	91	95		
I	NAA	1	25	LAA	2.2	55							XYL	0.8	20	20	0.2	50	65	75	79	89		
J	NAS	1.25	25	TA	3.75	75										20	0.311	37	49	59	64	75		
K	NAS	1.25	25	TA	3.75	74	P40S	0.1	1							30	0.303	36	50	62	77	89		
L	DIC	3	30	LAC	6.9	69	SDS	0.1	1							90	0.202	49	69	83	88	92		
M	DIC	3	30	MAN	6.7	67	SDS	0.3	3							90	0.157	63	79	86	88	93		
N	MEL	25	25	LAC	72	72	SDS	3	3							15	0.283	33	53	73	84	92		
O	MTX	1.5	30	LAC	3.45	69	P407	0.1	1							60	0.16	63	77	84	89	93		2
P	MTX	1.5	30	LAC	3.5	70										60	0.28	40	52	59	59	71		2
Q	MTX	17.2	43	LAC	22	56	SDS	0.4	1								0.142	70	83	88	91	94		2
R	MTX	20	50	LAC	10.4	26	SDS	0.8	2	P407	0.8	2	SB	8	20		0.137	73	89	95	100	100		9
S	MTX	2.5	50	LAC	2.35	47	SDS	0.8	2	P407	0.1	2				60	0.148	67	83	92	98	99		2

Figure 1B

Sample No.	Active material			Primary Matrix			Surfactant #1			Surfactant #2			2nd Matrix			Time (mins.)	Particle Size						Yield (%)	Variations
	Name	Mass (g)	% w/w	% v/v	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w		D(0.5) µm	% <0.20 µm	% <0.30 µm	% < 0.5 µm	% < 1.0 µm	% < 2.0 µm		
T	MTX	17.2	43	47	MAN	22.4	56	SDS	0.4	1							60	0.254	42	55	64	67	72		2
U	NAA	17.5	35	39	MAN	32	64	SDS	0.5	1							80	0.249	42	56	64	67	74		
V	NAA	17.5	35	39	MAN	31.5	63	SDS	0.5	1	P40S	0.5	1				80	0.261	39	55	67	77	88		
W	NAA	17.5	35	39	MAN	31.5	63	SDS	0.5	1	P3000	0.5	1				80	0.188	53	70	81	88	95		
X	MAN	150.1	50	45	LAC	147.1	49	T3785	3.00	3							5	0.22	46	60	72	84	87	90	5
Y	MAN	150.1	50	45	LAC	150.0	50										5	0.292	35	51	67	81	85	56	5
Z	MAN	150.0	50	45	LAC	147.0	49	DS	3.02	3							5	0.274	38	53	67	80	84	76	5
AA	NAA	105.1	35	39	MAN	195.0	65										80	0.189	53	70	82	87	91	81	
AB	MTX	60	30	33	LAC	137	67	SDS	3	1.5	P407	3	1.5				21	0.142	67	85	92	95	96	ND	2
AC	MTX	60	30	33	LAC	137	67	SDS	3	1.5	P407	3	1.5				20	0.8	32	42	48	51	63	70	2,E
AD	MTX	144	30	33	LAC	321.6	67	SDS	7.2	1.5	P407	7.2	1.5				4	0.243	44	58	68	74	84	93	2
AE	NAA		35	39	MAN	302.4	63	SDS	4.8	1	PVP	4.8	1				6	0.226	44	63	80	88	93	94	
AF	NAA		35	39	MAN	297.6	62	SDS	4.8	1	PVP	4.8	1	P3000	4.8	1	7	0.287	31	52	73	85	93	98	
AG	MAN	2.5	50	45	LAC	2.35	47	SDS	0.15	3							15	0.318	31	48	65	80	84		5
AH	MAN	2.5	50	45	LAC	2.45	49	P188	0.05	1							15	0.33	30	46	64	77	82		5
AI	MAN	2.5	50	45	LAC	2.45	49	P40S	0.05	1							15	0.333	30	46	63	75	80		5
AJ	MAN	2.5	50	45	LAC	2.45	49	B700	0.05	1							15	0.337	29	46	63	76	81		5
AK	MAN	2.5	50	45	LAC	2.45	49	P407	0.05	1							15	0.342	28	45	63	76	82		5
AL	MAN	2.5	50	45	LAC	2.45	49	1	0.05	1							15	0.411	24	40	56	69	75		5

Sample No.	Active material			Primary Matrix			Surfactant #1			Surfactant #2			2nd Matrix			Time (mins.)	Particle Size						Yield (%)	Variations
	Name	Mass (g)	% w/w	% v/v	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w		D(0.5) µm	% <0.20 µm	% <0.30 µm	% < 0.5 µm	% < 1.0 µm	% < 2.0 µm		
AM	MAN	2.5	50	45	LAC	2.45	49	DS	0.05	1							15	0.462	22	37	52	65	71		5
AN	MAN	2.5	50	45	LAC	2.45	49	SDS	0.05	1							15	1.369	1	6	20	43	56		5
AO	MAN	2.5	50	45	LAC	2.45	49	SDA	0.05	1							15	1.766	0	2	14	38	52		5
AP	MAN	2.5	50	45	LAC	2.45	49	CEL	0.05	1							15	1.86	0	2	14	37	51		5
AQ	MAN	2.5	50	45	LAC	2.5	50										15	2.578	0	1	11	31	45		5

Figure 1C

Sample No.	Active material			Primary Matrix			Surfactant #1			Surfactant #2			Surfactant #3			Disintegrant			Time (mins.)	Particle Size						Yield (%)	Variations
	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w		D(0.5) µm	% <0.20 µm	% <0.30 µm	% < 0.5 µm	% < 1.0 µm	% < 2.0 µm		
A	NAA	105	35	MAN	189	63	SDS	3	1	P3000	3	1							80	0.19	53	71	84	91	95	90	
B	NAA	105	35	MAN	189	63	SDS	3	1	P407	3.1	1							40	0.89	26	36	45	51	57		
C	NAA	105	35	MAN	189	63	SDS	3	1	P407	3.1	1							60	0.31	36	49	61	69	76		
D	NAA	105	35	MAN	189	63	SDS	3	1	P407	3.1	1							80	0.19	52	70	84	90	93	82	
E	NAA	105.1	35	MAN	192	64	SDS	3	1										80	0.24	43	59	72	78	81	84.6	
F	NAA	105	35	MAN	171	57	SDS	3	1	P3000	3	1	PVP	3	1	PML	15	5	80	0.27	39	54	67	74	78	89.2	12
G	NAA	105	35	MAN	171	57	SDS	3	1	P407	3	1	PVP	3.02	1	PML	15.1	5	80							88.2	
H	NAA	105.2	35	MAN	174	58	SDS	3	1	PVP	3	1				PML	15.0	5	80							87.1	
I	NAA	105	35	MAN	189	63	SDS	3	1	P3000	3	1							80	0.25	27	67	91	100	100	88	
J	NAA	105.7	35	MAN	186	64	SDS	3	1	P3000	3	1	PVP	3.01	1				80	0.24	29	68	90	99	100	89.7	
K	NAA	105.1	35.0	MAN	195	65.0													80	0.19	53	70	82	87	91	81	
L	NAA	105	35.0		MAN	180	60.0									MCC	15	5	80	0.26	40	54	65	69	75	66	12,D
M	NAA	105	35.0		MAN	180	60.0									PML	15	5	80	0.24	42	58	69	76	85	51	12,D

Figure 2A

Sample No.	Active material			Primary Matrix			Surfactant #1			Surfactant #2			Time (mins.)	Particle Size						Yield (%)	Variations
	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w	Name	Mass (g)	% w/w		D(0.5) µm	% <0.20 µm	% <0.30 µm	% < 0.5 µm	% < 1.0 µm	% < 2.0 µm		
A	NAA	1.5	30	LAC	3.2	64	SDS	0.05	1	MCC	0.25	5	40	2.6	29	41	47	61	77	86	
B	14A													0.2	68	79	84	94	99		12
C	NAA	1.5	30	LAC	3.45	69	SDS	0.05	1				40	0.2	79	95	98	100	100	95	
D	14C													0.2	80	94	97	100	100		12
E	14C	2.5	95	MCC	0.13	5							1	1.3	34	49	52	56	60	88	
F	14C	2.5	91	MCC	0.25	9							1	0.8	36	52	56	62	72	83	
G	14E													0.2	79	92	96	99	100		12
H	14F													0.2	79	93	97	99	100		12
I	NAA	1.5	30	LAC	2.95	59	SDS	0.05	1	MCC	0.5	10	40	6.4	12	19	25	43	64	96	
J	NAA	1.5	30	LAC	2.45	49	SDS	0.05	1	MCC	1	20	40	8.6	0	0	7	31	56	95	
K	14I													1.7	32	44	53	77	94		12
L	14J													4.1	0	0	12	61	92		12

Figure 3A