

SIMPLE. ACCURATE. RELIABLE.

Topi-Pump[®]_X

Metered Dosing for Topical Pharmaceuticals

Accuracy Reliability Study



Topi-Pump #6

Pump Type: 1.0ml Butyl

Pouch Type: 120ml LDPE

Trial: 60-day period (2 pumps per day)

Filled Total Weight (gm): 155.96 gm

Weight of Product: 132.83 gm

Weight of 1ml of Product: 1 gm

No. of Priming Strokes: 6

Change in Color: No

Other: Some bubbles

Product: Base Cream

DAY	PUMP #	DOSAGE (grams)
1	1	0.97
	2	0.98
2	3	1.00
	4	1.02
3	5	1.01
	6	1.04
4	7	1.03
	8	1.02
5	9	1.04
	10	1.03
6	11	1.00
	12	1.03
7	13	0.99
	14	1.00
8	15	1.03
	16	1.03
9	17	1.04
	18	0.97
10	19	1.00
	20	1.03

DAY	PUMP #	DOSAGE (grams)
11	21	1.02
	22	1.00
12	23	1.04
	24	1.00
13	25	0.97
	26	0.98
14	27	0.96
	28	1.00
15	29	1.04
	30	1.01
16	31	1.00
	32	0.99
17	33	0.96
	34	0.95
18	35	0.97
	36	1.00
19	37	0.95
	38	0.98
20	39	0.99
	40	0.97

DAY	PUMP #	DOSAGE (grams)
21	41	1.03
	42	1.00
22	42	1.02
	44	1.01
23	45	1.04
	46	0.99
24	47	0.96
	48	1.04
25	49	1.01
	50	1.00
26	51	1.01
	52	0.98
27	53	0.99
	54	0.97
28	55	1.00
	56	0.98
29	57	0.96
	58	0.96
30	59	0.99
	60	0.95

Topi-Pump #6 trial data cont'd.

Pump Type:.....1.0ml Butyl
 Pouch Type:.....120ml LDPE
 Trial:.....60-day period (2 pumps per day)

DAY	PUMP #	DOSAGE (grams)
31	61	1.01
	62	1.00
32	63	1.04
	64	1.00
33	65	1.03
	66	1.01
34	67	1.02
	68	1.03
35	69	1.05
	70	1.04
36	71	1.01
	72	0.95
37	73	0.99
	74	0.96
38	75	1.01
	76	1.01
39	77	1.05
	78	1.00
40	79	0.98
	80	0.97

DAY	PUMP #	DOSAGE (grams)
41	81	1.00
	82	1.04
42	83	1.01
	84	1.00
43	85	0.96
	86	0.99
44	87	0.97
	88	1.01
45	89	0.98
	90	0.99
46	91	1.00
	92	1.01
47	93	0.98
	94	1.00
48	95	1.01
	96	1.00
49	97	0.96
	98	0.99
50	99	1.02
	100	1.03

DAY	PUMP #	DOSAGE (grams)
51	101	1.04
	102	1.00
52	103	1.02
	104	1.04
53	105	0.99
	106	0.99
54	107	0.96
	108	0.95
55	109	0.97
	110	1.00
56	111	0.95
	112	0.98
57	113	0.99
	114	0.97
58	115	1.00
	116	0.99
59	117	0.96
	118	0.95
60	119	0.97
	120	0.99

120-Dose Total Weight:.....119.75 gm
 Mean of Accepted Doses:0.9979 gm

Maximum Accepted Doses:..... 1.05 gm
 Minimum Accepted Doses:.....0.95 gm



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