

SIMPLE. ACCURATE. RELIABLE.

# Topi-Pump<sup>®</sup><sub>X</sub>

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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