

SIMPLE. ACCURATE. RELIABLE.

Topi-Pump[®]_X

Metered Dosing for Topical Pharmaceuticals

Accuracy Reliability Study



Topi-Pump #4

Pump Type: 1.0ml Butyl
Pouch Type: 60ml LDPE
Trial: 30-day period (2 pumps per day)

Filled Total Weight (gm): 88.32 gm
 Weight of Product: 66.63 gm
 Weight of 1ml of Product: 1 gm
 No. of Priming Strokes: 5
 Change in Color: No
 Other: Some bubbles
 Product: Lipoderm Cream

DAY	PUMP #	DOSAGE (grams)
1	1	1.04
	2	1.00
2	3	1.03
	4	1.01
3	5	1.02
	6	1.03
4	7	1.05
	8	1.04
5	9	1.01
	10	1.00
6	11	1.01
	12	0.98
7	13	0.99
	14	0.97
8	15	1.00
	16	0.98
9	17	0.96
	18	0.96
10	19	0.99
	20	1.00

DAY	PUMP #	DOSAGE (grams)
11	21	0.95
	22	1.01
12	23	0.98
	24	0.99
13	25	1.00
	26	1.01
14	27	0.98
	28	1.00
15	29	1.04
	30	1.05
16	31	1.00
	32	0.97
17	33	0.96
	34	1.00
18	35	1.01
	36	1.02
19	37	0.99
	38	0.97
20	39	1.03
	40	1.00

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

60-Dose Total Weight: 59.79gm Maximum Accepted Doses: 0.95gm
 Mean of Accepted Doses: 0.9965 gm Minimum Accepted Doses: 1.05 gm