

SIMPLE. ACCURATE. RELIABLE.

Topi-Pump[®]

Metered Dosing for Topical Pharmaceuticals

Accuracy Reliability Study



Topi-Pump #3

Pump Type: 0.5ml Butyl

Pouch Type: 60ml LDPE

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

Filled Total Weight (gm): 87.21 gm

Weight of Product: 66.09 gm

Weight of 1ml of Product: 1 gm

No. of Priming Strokes: 9

Change in Color: No

Other: Bubbles

Product: Gel

DAY	PUMP #	DOSAGE (grams)
1	1	0.48
	2	0.49
2	3	0.51
	4	0.52
3	5	0.50
	6	0.51
4	7	0.54
	8	0.53
5	9	0.50
	10	0.50
6	11	0.49
	12	0.48
7	13	0.50
	14	0.53
8	15	0.51
	16	0.50
9	17	0.53
	18	0.50
10	19	0.50
	20	0.49

DAY	PUMP #	DOSAGE (grams)
11	21	0.51
	22	0.48
12	23	0.49
	24	0.47
13	25	0.48
	26	0.50
14	27	0.51
	28	0.52
15	29	0.52
	30	0.47
16	31	0.49
	32	0.50
17	33	0.53
	34	0.55
18	35	0.54
	36	0.53
19	37	0.52
	38	0.50
20	39	0.51
	40	0.53

DAY	PUMP #	DOSAGE (grams)
21	41	0.48
	42	0.46
22	42	0.50
	44	0.48
23	45	0.50
	46	0.51
24	47	0.48
	48	0.49
25	49	0.50
	50	0.53
26	51	0.51
	52	0.54
27	53	0.49
	54	0.47
28	55	0.48
	56	0.48
29	57	0.47
	58	0.50
30	59	0.51
	60	0.48

Topi-Pump #3 trial data cont'd.

Pump Type:.....0.5ml Butyl

Pouch Type:..... 60ml LDPE

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

DAY	PUMP #	DOSAGE (grams)
31	61	0.50
	62	0.49
32	63	0.47
	64	0.49
33	65	0.46
	66	0.47
34	67	0.50
	68	0.50
35	69	0.49
	70	0.51
36	71	0.50
	72	0.53
37	73	0.50
	74	0.54
38	75	0.53
	76	0.52
39	77	0.51
	78	0.50
40	79	0.50
	80	0.49

DAY	PUMP #	DOSAGE (grams)
41	81	0.54
	82	0.50
42	83	0.49
	84	0.49
43	85	0.47
	86	0.46
44	87	0.48
	88	0.49
45	89	0.50
	90	0.50
46	91	0.50
	92	0.48
47	93	0.52
	94	0.51
48	95	0.50
	96	0.52
49	97	0.54
	98	0.49
50	99	0.46
	100	0.50

DAY	PUMP #	DOSAGE (grams)
51	101	0.49
	102	0.48
52	103	0.49
	104	0.48
53	105	0.46
	106	0.47
54	107	0.50
	108	0.49
55	109	0.46
	110	0.47
56	111	0.47
	112	0.49
57	113	0.48
	114	0.49
58	115	0.50
	116	0.51
59	117	0.46
	118	0.46
60	119	0.47
	120	0.47

120-Dose Total Weight:.....58.80 gm

Mean of Accepted Doses:0.49 gm

Maximum Accepted Doses:..... 0.55 gm

Minimum Accepted Doses:.....0.46 gm



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