

Table (26): Evaluation of the accuracy and precision of the Proposed and Official methods for determination of Deq, Clid, Sert and Tram in it's pharmaceutical forms using BTB.

Dosage forms	Official method			Proposed method				
	Taken mg	Found * mg	Recovery (%)	Taken mg	Found * mg	Recovery (%)	t ** Value	F ** test
Larypront lozenges (0.250 mg per tab.)	0.25	0.248	99.20	0.25	0.254	101.60	0.967	1.842
Librax tablets (2.5 mg per tab.)	2.5	2.51	100.40	2.5	2.52	100.80	0.603	1.723
Moodapex tablets (50 mg per tab.)	50	49.575	99.15	50	50.20	100.40	0.427	2.136
Tramadol capsules (50 mg per cap.)	50	50.12	100.24	50	49.80	99.60	1.005	2.871
Tramal capsules (50 mg per cap.)	50	49.93	99.86	50	49.40	98.80	0.518	2.074
Amadol capsules (50 mg per cap.)	50	49.85	99.70	50	50.40	100.80	0.424	1.614
Tramadol ampoules (100 mg per amp.)	100	100.25	100.25	100	100.30	100.30	0.717	2.048
Tramadol rectocaps (100 mg per rect.)	100	99.86	99.86	100	99.30	99.30	0.389	2.221

*: Average of six determinations.

**: Theoretical values for t- and F- values for five degree of freedom and 95% confidence limits are 2.57 and 5.05, respectively.

Table (27): Evaluation of the accuracy and precision of the Proposed and Official methods for determination of Ambr in it's pharmaceutical forms using BTB.

Dosage forms	Official method			Proposed method				
	Taken mg	Found *	Recovery (%)	Taken mg	Found *	Recovery (%)	t ** Value	F ** test
Bronchoprnt syrup (15 mg/5ml)	15	15.10	100.67	15	14.88	99.20	1.031	1.927
Ambroxol syrup (15 mg/5ml)	15	14.95	99.67	15	14.92	99.47	0.509	2.379
Mucopect syrup (15 mg/5ml)	15	14.92	99.47	15	15.04	100.27	0.382	2.412
Ambroxol tablets (30 mg per tab.)	30	29.90	99.67	30	29.85	99.50	0.479	2.054
Mucosolvan tablets (30 mg per tab.)	30	29.95	99.83	30	29.75	99.17	0.346	1.539

*: Average of six determinations.

**: Theoretical values for t- and F- values for five degree of freedom and 95% confidence limits are 2.57 and 5.05, respectively.

Table (28): Determination of the studied drugs (Deq, Clid and Sert) in it's pharmaceutical dosage forms applying the standard addition technique using BTB.

Dosage forms	Taken ($\mu\text{g/ml}$)	Added ($\mu\text{g/ml}$)	Found* ($\mu\text{g/ml}$)	Recovery (%)
Larypront lozenges tablets (0.250 mg per tab.)	3.0	0.0	3.02	100.67
		1.5	4.55	101.11
		3.0	5.97	99.50
		4.5	7.44	99.20
		6.0	8.92	99.11
Librax tablets (2.5 mg per tab.)	3.0	0.0	2.97	99.00
		2.0	4.98	99.60
		4.0	7.02	100.29
		6.0	8.96	99.56
		8.0	10.97	99.73
Moodapex tablets (50 mg per tab.)	3.0	0.0	2.97	99.00
		2.0	5.02	100.40
		4.0	7.03	100.43
		6.0	8.95	99.44
		8.0	10.94	99.45

*: Average of six determinations.

Table (29): Determination of Tram in it's pharmaceutical dosage forms applying the standard addition technique using BTB.

Dosage forms	Taken ($\mu\text{g/ml}$)	Added ($\mu\text{g/ml}$)	Found* ($\mu\text{g/ml}$)	Recovery (%)
Tramadol capsules (50 mg per cap.)	3.0	0.0	2.96	98.67
		2.0	4.97	99.40
		4.0	6.94	99.14
		6.0	9.05	100.56
		8.0	11.06	100.55
Tramal capsules (50 mg per cap.)	3.0	0.0	3.04	101.33
		2.0	4.98	99.60
		4.0	6.95	99.29
		6.0	9.04	100.44
		8.0	11.05	100.45
Amadol capsules (50 mg per cap.)	3.0	0.0	3.01	100.33
		2.0	5.04	100.80
		4.0	7.05	100.71
		6.0	8.96	99.56
		8.0	10.95	99.55
Tramadol ampoules (100 mg per amp.)	3.0	0.0	2.97	99.00
		2.0	5.03	100.60
		4.0	7.02	100.29
		6.0	9.04	100.44
		8.0	11.03	100.27
Tramadol rectocaps (100 mg per rect.)	3.0	0.0	2.98	99.33
		2.0	4.98	99.60
		4.0	6.96	99.43
		6.0	8.98	99.78
		8.0	11.02	100.18

*: Average of six determinations.

Table (30): Determination of Ambr in it's pharmaceutical dosage forms applying the standard addition technique using BTB.

Dosage forms	Taken ($\mu\text{g/ml}$)	Added ($\mu\text{g/ml}$)	Found* ($\mu\text{g/ml}$)	Recovery (%)
Bronchopront syrup (15 mg/5ml)	4.0	0.0	3.97	99.25
		2.5	6.49	99.85
		5.0	9.02	100.22
		7.5	11.55	100.44
Ambroxol syrup (15 mg/5ml)	2.0	0.0	2.01	100.50
		2.0	3.98	99.50
		4.0	6.02	100.33
		6.0	5.97	99.50
Mucopect syrup (15 mg/5ml)	2.5	0.0	2.52	100.80
		2.5	5.05	101.00
		5.0	7.57	100.93
		7.5	9.95	99.50
Ambroxol tablets (30 mg per tab.)	4.0	0.0	3.97	99.25
		3.0	7.03	100.43
		6.0	9.95	99.50
		9.0	12.92	99.38
Mucosolvan tablets (30 mg per tab.)	4.5	0.0	4.48	99.56
		4.5	9.03	100.33
		9.5	13.95	99.64
		13.5	17.95	99.72

*: Average of six determinations.