

Table 1 Details of products supplied and the correlation coefficient of each of these products against its reference.

Product Number	API	Test product	Dose/mg	Manufacturer	Country of manufacture	Country of purchase	r	Result
1	Alfuzosin hydrochloride	Alfusin	10	Cipla Ltd.	India	India	0.9990	Pass
2	Aripiprazole	Arip MT	10	Torrent pharm. Ind.	India	India	0.9606	Pass
3	Atorvastatin calcium trihydrate	Atorlip	10	Torrent pharm. Ind.	India	India	0.9471	Pass
4	Aripiprazole	Arip MT	15	Torrent pharm. Ind.	India	India	0.9012	Fail
5	Atorvastatin calcium trihydrate	Atorlip	20	Torrent pharm. Ind.	India	India	0.9711	Pass
6	Aripiprazole	Arip MT	30	Torrent pharm. Ind.	India	India	0.9997	Pass
7	Atorvastatin calcium trihydrate	Atorlip	40	Torrent pharm. Ind.	India	India	0.9534	Pass
8	Atorvastatin calcium trihydrate	Lipitor	10	Pfizer	Germany	Turkey	0.9978	Pass
9	Atorvastatin calcium trihydrate	Lipitor	10	Pfizer	Germany	Turkey	0.9949	Pass
10	Atorvastatin calcium trihydrate	Lipitor	10	Pfizer	Germany	Ghana	0.9923	Pass
11	Atorvastatin calcium trihydrate	Lipitor	20	Pfizer	Germany	Turkey	0.9984	Pass
12	Atorvastatin calcium trihydrate	Lipitor	20	Pfizer	Germany	Turkey	0.9983	Pass
13	Celecoxib	Cobix	200	Cipla Ltd.	India	India	0.9815	Pass
14	Ciprofloxacin hydrochloride	Ciprofloxacin	250	Dr. Reddy's	India	Ghana	0.9953	Pass
15	Ciprofloxacin hydrochloride	Ciprobay	250	Bayer AG Germany	Germany	Lebanon	0.9698	Pass
16	Ciprofloxacin hydrochloride	Ciprobay	500	Bayer AG Germany	Germany	Lebanon	0.9902	Pass
17	Clopidogrel bisulfate	Clopivas	75	Cipla Ltd.	India	India	0.9865	Pass
18	Clopidogrel hydrogen sulfate	Plavix	75	Unknown	NA	Egypt	0.7106	Fail
19	Clopidogrel hydrogen sulfate	Plavix	75	Unknown	NA	France	0.7123	Fail
20	Clopidogrel hydrogen sulfate	Plavix	75	BMS	UK	France	0.9924	Pass
21	Clopidogrel hydrogen sulfate	Plavix	75	BMS	UK	Turkey	0.9970	Pass
22	Clopidogrel hydrogen sulfate	Plavix	75	BMS	UK	Lebanon	0.9948	Pass
23	Clopidogrel hydrogen sulfate	Plavix	75	BMS	UK	Ghana	0.9785	Pass
24	Clopidogrel hydrogen sulfate	Plavix	75	BMS	UK	Australia	0.9913	Pass
25	Desloratidine	D-Loratidin	5	Cipla Ltd.	India	India	0.9958	Pass
26	Doxazosin mesylate	Dosan	4	Pacific Pharm. Ltd.		New Zealand	0.9983	Pass
27	Duloxetine hydrochloride	Duzela	60	Sun pharm. Ind.	India	India	0.9983	Pass
28	Efavirenz	Stocrin	200	MSD	Australia	Switzerland	0.9961	Pass
29	Escitalopram oxalate	S-Citadep	5	Cipla Ltd.	India	India	0.9887	Pass
30	Escitalopram oxalate	S-Citadep	10	Cipla Ltd.	India	India	0.6517	Fail
31	Escitalopram oxalate	S-Citadep	20	Cipla Ltd.	India	India	0.6458	Fail
32	Esomeprazole calcium trihydrate	Nexium	40	AstraZeneca	UK	Turkey	0.9989	Pass
33	Ezetimibe	Ezetimibe	10	Cipla Ltd.	India	India	0.9709	Pass
34	Ezetimibe	Ezetrol	10	MSD	Belgium	Turkey	0.9927	Pass

35	Ezetimibe	Ezetrol	10	MSD	Belgium	Turkey	0.9927	Pass
36	Finasteride sodium	Fincar	5	Cipla Ltd.	India	India	0.9701	Pass
37	Finasteride	Propecia	1	MSD	UK	Turkey	0.9923	Pass
38	Finasteride	Propecia	1	MSD	UK	Turkey	0.9949	Pass
39	Finasteride	Propecia	1	MSD	UK	Internet	0.9938	Pass
40	Finasteride	Proscar	5	MSD	UK	Turkey	0.9973	Pass
41	Fluvastatin sodium	Lescol XL	80	Novartis	Spain	Turkey	0.9996	Pass
42	Fluvastatin sodium	Lescol XL	80	Novartis	Spain	Turkey	0.9993	Pass
43	Ibandronic acid	Idrofos	150	Sun pharm. Ind.	India	India	0.9984	Pass
44	Indinavir sulfate	Indivan	400	Cipla Ltd.	India	India	0.9995	Pass
45	Isosorbide mononitrate	Duride	60	Pacific Pharm. Ltd.	New Zealand	New Zealand	0.9982	Pass
46	Lamivudine	Lamivir	100	Cipla Ltd.	India	India	0.9990	Pass
47	Letrozole	Femara	2.5	Novartis	UK	Switzerland	0.9982	Pass
48	Letrozole	Femara	2.5	Novartis	UK	Switzerland	0.9997	Pass
49	Lisinopril dihydrate	Prinvil	5	MSD	Belgium	New Zealand	0.9995	Pass
50	Losartan potassium	Repase	25	Sun pharm. Ind.	India	India	0.9974	Pass
51	Losartan potassium	Zaart	50	Cipla Ltd.	India	India	0.9710	Pass
52	Losartan/ Hydrochlorothiazide	Hyzaar	50/ 12.5	Merck	USA	Turkey	0.9994	Pass
53	Losartan/ Hydrochlorothiazide	Hyzaar	50/ 12.5	Merck	USA	Turkey	0.9969	Pass
54	Losartan/ Hydrochlorothiazide	Hyzaar	50/ 12.5	Merck	USA	Turkey	0.9996	Pass
55	Losartan/ Hydrochlorothiazide	Hyzaar Forte	100/ 25	Merck	USA	Turkey	0.9972	Pass
56	Metoprolol succinate	Metolar XR	25	Cipla Ltd.	India	India	0.9992	Pass
57	Metoprolol succinate	Metolar XR	50	Cipla Ltd.	India	India	0.9922	Pass
58	Montelukast sodium	Singulair	10	MSD	UK	Turkey	0.9985	Pass
59	Montelukast sodium sesquihydrate	Montair	10	Cipla Ltd.	India	India	0.9852	Pass
60	Mycophenolate mofetil	Mofilet	500	NA	NA	India	0.9444	Fail
61	Olanzapine	Oliza	2.5	Intas pharm. Ind.	India	India	0.9979	Pass
62	Olanzapine	Oliza	7.5	Intas pharm. Ind.	India	India	0.9948	Pass
63	Olanzapine	Oliza	10	Intas pharm. Ind.	India	India	0.9921	Pass
64	Olanzapine	Oliza	5	Intas pharm. Ind.	India	India	0.9975	Pass
65	Olmesartan medoxomil	Olmezest	10	Sun pharm. Ind.	India	India	0.9997	Pass
66	Olmesartan medoxomil	Olmezest	20	Sun pharm. Ind.	India	India	0.9932	Pass
67	Oseltamivir phosphate	Tamiflu capsules	75	Roche	Germany	Internet	0.9994	Pass
68	Pantoprazole sodium	Pantosec	40	Cipla Ltd.	India	India	0.6472	Fail
69	Paracetamol	Panadol Actifast	500	GSK	Ireland	Lebanon	0.9929	Pass
70	Paracetamol	Panadol Actifast	500	GSK	Ireland	Lebanon	0.9958	Pass
71	Pioglitazone hydrochloride	P-Glitz	30	Cipla Ltd.	India	India	0.7832	Fail
72	Pyridostigmine bromide	Distinon	60	Samarth Life Sciences PVT Ltd.	India	India	0.9554	Pass
73	Rabeprazole sodium	Rabicip	20	Cipla Ltd.	India	India	0.9901	Pass
74	Raloxifene hydrochloride	Evista 60 mg	60	Lilly		Turkey	0.9968	Pass
75	Raloxifene hydrochloride	Ralista	60	Cipla Ltd.	India	India	0.9936	Pass
76	Repaglinide	Eurepa	2	Torrent pharm. Ind.	India	India	0.9954	Pass

77	Rifampicin	R-Cin	300	Lupin Ltd.	India	India	0.9966	Pass
78	Risedronate sodium	Actonel	5	Aventis	Germany	Turkey	0.9974	Pass
79	Risedronate sodium	Actonel	35	Aventis	Germany	Turkey	0.9982	Pass
80	Risedronate sodium	Actonel	35	Aventis	Germany	Turkey	0.9978	Pass
81	Risedronate sodium	Actonel	35	Aventis	Germany	Turkey	0.9986	Pass
82	Risedronate sodium	Risofos	35	Cipla Ltd.	India	India	0.9993	Pass
83	Rivastigmine hydrogen tartrate	Rivadem	1.5	Torrent pharm. Ind.	India	India	0.9983	Pass
84	Rivastigmine hydrogen tartrate	Rivadem	3	Torrent pharm. Ind.	India	India	0.9996	Pass
85	Rizatriptan benzoate	Rizact	10	Cipla Ltd.	India	India	0.9999	Pass
86	Rizatriptan benzoate	Rizact	10	Cipla Ltd.	India	India	0.9994	Pass
87	Ropinirole hydrochloride	Ropark	0.5	Sun pharm. Ind.	India	India	0.9991	Pass
88	Ropinirole hydrochloride	Ropark 0.25 mg	0.25	Sun pharm. Ind.	India	India	0.9971	Pass
89	Ropinirole hydrochloride	Ropark 1 mg	1	Sun pharm. Ind.	India	India	0.9964	Pass
90	Ropinirole hydrochloride	Ropark 2 mg	2	Sun pharm. Ind.	India	India	0.9974	Pass
91	Rosiglitazone maleate	Rosiglitazone	4	Cipla Ltd.	India	India	0.9187	Fail
92	Rosuvastatin calcium	Razel	20	Glenmark Pharm. Ltd.	India	India	0.9671	Pass
93	Sibutramine hydrochloride monohydrate	Reductil capsules	10	Abott	Germany	Internet	0.9927	Pass
94	Sibutramine hydrochloride monohydrate	Reductil capsules	15	Abott	Germany	Internet	0.5034	Fail
95	Sildenafil citrate	Viagra	100	Pfizer	France	Turkey	0.9982	Pass
96	Sildenafil citrate	Viagra	100	Pfizer	France	Turkey	0.9987	Pass
97	Sildenafil citrate	Viagra	100	Unknown	NA	Internet	0.9526	Pass
98	Sildenafil citrate	Viagra	100	Unknown	NA	Internet	0.9517	Pass
99	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9232	Fail
100	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9676	Pass
101	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9495	Fail
102	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9236	Fail
103	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9251	Fail
104	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9256	Fail
105	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9248	Fail
106	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.6087	Fail
107	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.6089	Fail
108	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9279	Fail
109	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9259	Fail
110	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9247	Fail
111	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.6448	Fail
112	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9241	Fail
113	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.8156	Fail
114	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9271	Fail
115	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9261	Fail
116	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9268	Fail
117	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9258	Fail
118	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.6190	Fail
119	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9427	Fail
120	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9486	Fail

121	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9321	Fail
122	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9245	Fail
123	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9251	Fail
124	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9249	Fail
125	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.7784	Fail
126	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9279	Fail
127	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.9310	Fail
128	Sildenafil citrate	Viagra	100	Unknown	NA	KFDA	0.8114	Fail
129	Sildenafil citrate	Aurogra	100	Aurochem	India	India	0.9891	Pass
130	Sildenafil citrate	Penegra	25	Cadila Healthcare Ltd.	India	India	0.9975	Pass
131	Simvastatin/ Ezetimibe	Simcard EZ	10/10	Cipla Ltd.	India	India	0.9911	Pass
132	Tadalafil	Cialis	20	Lilly	UK	Turkey	0.9996	Pass
133	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7167	Fail
134	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.6908	Fail
135	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7224	Fail
136	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7268	Fail
137	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.6971	Fail
138	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7047	Fail
139	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7216	Fail
140	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7031	Fail
141	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7147	Fail
142	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7158	Fail
143	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7254	Fail
144	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7185	Fail
145	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7263	Fail
146	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7099	Fail
147	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7221	Fail
148	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.6437	Fail
149	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7021	Fail
150	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.6476	Fail
151	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.8278	Fail
152	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.8612	Fail
153	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7180	Fail
154	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.6695	Fail
155	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.6819	Fail
156	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7355	Fail
157	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7115	Fail
158	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.6698	Fail
159	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7204	Fail
160	Tadalafil	Cialis	20	Unknown	NA	KFDA	0.7152	Fail
161	Tadalafil	Tadacip	20	Cipla Ltd.	India	India	0.9998	Pass
162	Tetrabenazine	Revocon	25	Sun pharm. Ind.	India	India	0.9996	Pass
163	Tolterodine tartarate	Terol LA	2	Cipla Ltd.	India	India	0.9997	Pass
164	Tolterodine tartarate	Terol LA	4	Cipla Ltd.	India	India	0.9997	Pass
165	Valacyclovir hydrochloride	Valcivir	500	Cipla Ltd.	India	India	0.9999	Pass
166	Valsartan	Diovan	80	Novartis	UK	Turkey	0.9749	Pass
167	Valsartan	Diovan	80	Novartis	UK	Ghana	0.9975	Pass

168	Valsartan	Diovan	160	Novartis	UK	Turkey	0.9892	Pass
169	Valsartan/ Hydrochlorothiazide	Co-Diovan	160/ 12.5	Novartis	UK	Turkey	0.9927	Pass
170	Valsartan/ Hydrochlorothiazide	Co-Diovan	160/ 12.5	Novartis	UK	Turkey	0.9946	Pass
171	Valsartan/ Hydrochlorothiazide	Co-Diovan	160/ 12.5	Novartis	UK	Turkey	0.9919	Pass
172	Valsartan/ Hydrochlorothiazide	Co-Diovan	160/ 25	Novartis	UK	Turkey	0.9954	Pass
173	Valsartan/ Hydrochlorothiazide	Co-Diovan	160/ 25	Novartis	UK	Turkey	0.9967	Pass
174	Valsartan/ Hydrochlorothiazide	Co-Diovan	80/ 12.5	Novartis	UK	Turkey	0.9931	Pass
175	Valsartan/ Hydrochlorothiazide	Co-Diovan	160/ 12.5	Novartis	UK	Turkey	0.9997	Pass
176	Vardenafil hydrochloride trihydrate	Levitra	10	Bayer	Germany	Turkey	0.9977	Pass
177	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8715	Fail
178	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.9003	Fail
179	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8827	Fail
180	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8804	Fail
181	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8870	Fail
182	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8874	Fail
183	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8599	Fail
184	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8739	Fail
185	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8523	Fail
186	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8640	Fail
187	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8814	Fail
188	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8781	Fail
189	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8758	Fail
190	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8723	Fail
191	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8864	Fail
192	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8700	Fail
193	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8457	Fail
194	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8449	Fail
195	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8257	Fail
196	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8835	Fail
197	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8824	Fail
198	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8476	Fail
199	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8668	Fail
200	Vardenafil hydrochloride trihydrate	Levitra	10	Unknown	NA	KFDA	0.8666	Fail

201	Vardenafil hydrochloride trihydrate	Auvitra	20	Sava Trading Ltd.	India	India	0.9980	Pass
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