

## List of IP Reference Substances available at IPC, Ghaziabad

### List of Impurities

S. No.	Name of Reference Substance	Current Lot No.	Previous Lot No.(valid up to)*	Qty./Vial	Cost per Vial For Private Party	Cost per Vial For Government Organizations
1.	2-Methyl-5-nitro imidazole (impurity)	IMP/39/17		20 mg	5000/-	2500/-
2.	7-aminodesacetoxycephalosporanic acid (Cefadroxil Monohydrate Impurity B)	IMP/001/13		20 mg	5000/-	2500/-
3.	E-isomers (Cefuroxime Axetil Impurity)	IMP/002/13		20 mg	25000/-	12500/-
4.	D3-isomers (Cefuroxime Axetil Impurity)	IMP/003/13		20 mg	25000/-	12500/-
5.	Dicyandiamide	IMP/004/13		20 mg	10000/-	5000/-
6.	6,7-dimethoxy-2-(piperazin-1-yl) quinazolin-4-amine (Terazosin Impurity C)	IMP/005/13		20 mg	5000/-	2500/-
7.	2-chloro-6,7-dimethoxyquinazolin-4-amine (Terazosin Impurity A)	IMP/006/13		20 mg	10000/-	5000/-
8.	Triphenylmethanol	IMP/007/13		20 mg	5000/-	2500/-
9.	zidovudine-related compound B	IMP/008/13		20 mg	15000/-	7500/-
10.	Guanine (Aciclovir Impurity B)	IMP/02/14		20 mg	5000/-	2,500/-
11.	Mesoethambutol (RS isomer)	IMP/03/14		20 mg	15000/-	7500/-

12.	Lamivudine impurity C	IMP/04/14		20 mg	5000/-	2500/-
13.	Guaiphenesin impurity A	IMP/05/14		1 ml	5000/-	2500/-
14.	Phenoxyacetic acid	IMP/06/14		20 mg	5000/-	2500/-
15.	4-aminophenol	IMP/07/14		20 mg	5000/-	2500/-
16.	4-nitrophenol	IMP/08/14		20 mg	5000/-	2500/-
17.	4- chloroacetanilide	IMP/01/20	IMP/09/14 (06/2021)	20 mg	10000/-	5000/-
18.	Mesityl oxide	IMP/10/14		1 ml	5000/-	2500/-
19.	Thymidine	IMP/11/14		20 mg	5000/-	2500/-
20.	2-Ethylhexanoic acid	IMP/12/14		0.5 ml	5000/-	2500/-
21.	Hydrazine Sulphate	IMP/13/14		20 mg	5000/-	2500/-
22.	Trimetazidine Impurity G	IMP/14/14		20 mg	5000/-	2500/-
23.	Palmitic Acid	IMP/17/14		20 mg	5000/-	2500/-
24.	Zidovudine Impurity C	IMP/18/14		20 mg	5000/-	2500/-
25.	Theobromine	IMP/19/14		20 mg	5000/-	2500/-
26.	5-Chloro-1-methyl-4-nitroimidazole	IMP/20/14		20 mg	5000/-	2500/-
27.	Thiourea	IMP/21/14		20 mg	5000/-	2500/-
28.	Clotrimazole Impurity D	IMP/22/14		20 mg	5000/-	2500/-

29.	Montelukast Styrene	IMP/25/14		20 mg	5000/-	2500/-
30.	Irbesartan Impurity A	IMP/27/14		20 mg	25000/-	12500/-
31.	Cetirizine impurity A	IMP/01/15		20 mg	10000/-	5000/-
32.	Baclofen impurity A	IMP/02/15		20 mg	10000/-	5000/-
33.	Benzothiadiazine impurity A	IMP/03/15		20 mg	5000/-	2500/-
34.	Pheniramine impurity A	IMP/04/15		1 ml	5000/-	2500/-
35.	Tropicamide impurity C	IMP/05/15		20 mg	25000/-	12500/-
36.	Cyclizine impurity A	IMP/06/15		1 ml	5000/-	2500/-
37.	Potassium sodium tartrate	IMP/07/15		20 mg	5000/-	2500/-
38.	Naproxen impurity N	IMP/08/15		20 mg	10000/-	5000/-
39.	2-Naphthylacetic acid	IMP/09/15		20 mg	5000/-	2500/-
40.	Cefadroxil impurity A	IMP/10/15		20 mg	5000/-	2500/-
41.	Hexacosane	IMP/11/15		20 mg	5000/-	2500/-
42.	Phthalazine	IMP/12/15		20 mg	5000/-	2500/-
43.	Tolnaftate impurity A	IMP/14/15		20 mg	5000/-	2500/-
44.	Mesalazine impurity G	IMP/15/15		20 mg	5000/-	2500/-
45.	Mesalazine impurity E	IMP/16/15		20 mg	5000/-	2500/-

46.	Mesalazine impurity D	IMP/17/15		20 mg	5000/-	2500/-
47.	Mesalazine impurity B	IMP/18/15		20 mg	5000/-	2500/-
48.	2-Amino-1-(4-nitrophenyl)propane-1,3-diol	IMP/19/15		20 mg	5000/-	2500/-
49.	Lansoprazole sulphide	IMP/20/15		20 mg	5000/-	2500/-
50.	Betamethasone 21-valerate	IMP/21/15		20 mg	5000/-	2500/-
51.	Nandrolone	IMP/23/15		20 mg	5000/-	2500/-
52.	Bisacodyl impurity A	IMP/24/15		20 mg	25000/-	12500/-
53.	Sodium propyl paraben impurity A	IMP/26/15		20 mg	5000/-	2500/-
54.	Noscapine hydrochloride impurity A	IMP/27/15		20 mg	5000/-	2500/-
55.	Fexofenadine Hydrochloride Impurity A	IMP/34/15		20 mg	25000/-	12500/-
56.	Hydrochlorothiazide impurity A	IMP/36/15		20 mg	5000/-	2500/-
57.	Tris(hydroxymethyl)nitromethane (Bronopol Impurity)	IMP/37/15		20 mg	5000/-	2500/-
58.	2-methyl-2-nitropropane-1,3-diol (Bronopol impurity)	IMP/38/15		20 mg	5000/-	2500/-
59.	2-Nitroethanol	IMP/39/15		100 mg	5000/-	2500/-
60.	Mesalazine Impurity L	IMP/02/16		20 mg	5000/-	2500/-
61.	Betahistinemesilate impurity A	IMP/03/16		100 mg	5000/-	2500/-
62.	Clotrimazole Impurity E	IMP/04/16		20 mg	5000/-	2500/-

63.	Mesalazine Impurity K	IMP/05/16		20 mg	5000/-	2500/-
64.	Mesalazine Impurity M	IMP/06/16		20 mg	5000/-	2500/-
65.	4-Chlorobenzoic Acid (Indomethacin Impurity)	IMP/07/16		20 mg	25000/-	12500/-
66.	Cyclizine Impurity B	IMP/08/16		20 mg	5000/-	2500/-
67.	Oxalic Acid Dihydrate	IMP/10/16		20 mg	5000/-	2500/-
68.	Levodopa Impurity B	IMP/11/16		20 mg	5000/-	2500/-
69.	Iminodibenzyl	IMP/12/16		20 mg	25000/-	12500/-
70.	Sodium Bromide	IMP/14/16		20 mg	5000/-	2500/-
71.	3-Pyridyl acetic acid hydrochloride (Risedronate sodium impurity)	IMP/15/16		20 mg	25000/-	12500/-
72.	2-methylimidazole (Ondansetron hydrochloride Impurity)	IMP/17/16		20 mg	5000/-	2500/-
73.	1-vinylpyrrolidin-2-one (Povidone Impurity)	IMP/19/16		500 mg	5000/-	2500/-
74.	2-Methylbenzophenone (Orphenadrine Impurity B)	IMP/21/16		20 mg	5000/-	2500/-
75.	Trimetazidine impurity C	IMP/22/16		20 mg	5000/-	2500/-
76.	Trimetazidine Impurity D	IMP/23/16		50 mg	10000/-	5000/-
77.	Tranexamic impurity D	IMP/24/16		20 mg	10000/-	5000/-

78.	Aspirin impurity A	IMP/25/16		20 mg	5000/-	2500/-
79.	Lamivudine impurity F	IMP/26/16		20 mg	5000/-	2500/-
80.	Lamivudine impurity E	IMP/27/16		20 mg	5000/-	2500/-
81.	Adenosine Impurity A	IMP/28/16		20 mg	5000/-	2500/-
82.	Adenosine Impurity G	IMP/29/16		20 mg	5000/-	2500/-
83.	Gemfibrozil Impurity A	IMP/30/16		20 mg	5000/-	2500/-
84.	Sertraline Impurity E	IMP/31/16		20 mg	5000/-	2500/-
85.	Trimethoprim impurity J	IMP/33/16		20 mg	5000/-	2500/-
86.	Warfarin impurity C	IMP/35/16		20 mg	5000/-	2500/-
87.	2-pyrrolidone	IMP/36/16		50 mg	10000/-	5000/-
88.	D-phenylglycine	IMP/37/16		20 mg	5000/-	2500/-
89.	Oxacillin impurity C	IMP/39/16		20 mg	25000/-	12500/-
90.	4-Hydroxycoumarin (Warfarin Impurity B)	IMP/40/16		20 mg	5,000/-	2500/-
91.	1-Naphthaleneacetic acid (Naphazoline Impurity B)	IMP/41/16		20 mg	5,000/-	2500/-

92.	(+) 6-aminopenicillanic acid (Oxacillin Impurity A)	IMP/42/16		20 mg	5,000/-	2500/-
93.	2-Methylbenzhydrol (Orphenadrine Impurity A)	IMP/43/16		20 mg	10000/-	5000/-
94.	Glutaric acid	IMP/44/16		20 mg	5000/-	2500/-
95.	Methyl Nicotinate	IMP/45/16		20 mg	5000/-	2500/-
96.	Dobutamine Impurity B	IMP/46/16		20 mg	5000/-	2500/-
97.	3-ethoxy-4-hydroxybenzaldehyde	IMP/48/16		20 mg	5000/-	2500/-
98.	Flavoxate Impurity A	IMP/52/16		20 mg	15000/-	7500/-
99.	Diclofenac impurity A	IMP/53/16		20 mg	25000/-	12500/-
100.	Hydroquinone / Dobesilate Impurity A	IMP/54/16		20 mg	5000/-	2500/-
101.	2-methyl-2-propyl-1,3-propanediol (Carisoprodol impurity)	IMP/56/16		20 mg	5000/-	2500/-
102.	Benazepril Hydrochloride Impurity C	IMP/58/16		20 mg	5000/-	2500/-
103.	Triamterene Impurity A	IMP/59/16		20 mg	15000/-	7500/-
104.	Desacetyldiltiazem Hydrochloride	IMP/60/16		20 mg	15000/-	7500/-
105.	Flutamide Impurity C	IMP/01/17		20 mg	5000/-	2500/-

106.	Nitrophenylpyridine analogue (Nifedipine impurity)	IMP/02/17		20 mg	25000/-	12500/-
107.	Allopurinol Impurity A	IMP/03/17		20 mg	5,000/-	2500/-
108.	10,11-Dihydrocarbamazepine (Carbamazepine)	IMP/04/17		20 mg	25000/-	12500/-
109.	Folic acid impurity D	IMP/06/17		20 mg	5000/-	2500/-
110.	Fexofenadine impurity B	IMP/09/17		20 mg	25000/-	12500/-
111.	Ciprofloxacin ethylenediamine analog	IMP/13/17		20 mg	25000/-	12500/-
112.	Carvedilol Impurity A	IMP/15/17		20 mg	25000/-	12500/-
113.	5-chloro-8-hydroxyquinoline (Quiniodochlor/diiodohydroxyquinoline)	IMP/17/17		20 mg	5,000/-	2500/-
114.	5,7-dichloro-8-hydroxyquinoline (Quiniodochlor/diiodohydroxyquinoline)	IMP/18/17		20 mg	5,000/-	2500/-
115.	5-chloro-7-iodo-8-hydroxyquinoline (Quiniodochlor/diiodohydroxyquinoline)	IMP/19/17		20 mg	5,000/-	2500/-
116.	Diazepam Impurity A/2-methylamino-5-chlorobenzophenone	IMP/20/17		20 mg	25000/-	12500/-
117.	Triphenylphosphine oxide/ Alprostadil Impurity K	IMP/25/17		20 mg	5,000/-	2500/-
118.	Butylparaben Impurity E/Iso-butyl-4-hydroxybenzoate	IMP/27/17		20 mg	5,000/-	2500/-
119.	Tramadol Impurity A	IMP/42/17		20 mg	25000/-	12500/-



120.	Azithromycin Impurity A	IMP/01/21	IMP/43/17 <sub>(05/2021)</sub>	10 mg	25,000/-	12,500/-
121.	5-Nitrofurfural Diacetate	IMP/11/18		20mg	5,000/-	2500/-
122.	Methyl-3,5-diamino-6-chloropyrazine-2-carboxylate	IMP/10/17		20mg	5,000/-	2500/-
123.	Tolbutamide Impurity B	IMP/38/17		20mg	15,000/-	7,500/-
124.	Acetazolamide Impurity D	IMP/16/17		20mg	25,000/-	12,500/-
125.	2-Chlorotritanol (Clotrimazole Impurity A)	IMP/20/18		20mg	25,000/-	12,500/-
126.	Clotrimazole Impurity F	IMP/18/18		20mg	5,000/-	2,500/-
127.	Folic Acid Impurity A	IMP/01/18		20mg	5,000/-	2,500/-
128.	Citalopram Impurity A	IMP/09/18		20mg	25,000/-	12,500/-
129.	Lansoprazole N-oxide	IMP/14/17		10mg	5,000/-	2,500/-
130.	Azelastine HCl Impurity D	IMP/12/18		20mg	25,000/-	12,500/-
131.	Azelastine HCl Impurity E	IMP/15/18		20mg	25,000/-	12,500/-
132.	Moxifloxacin Hydrochloride Impurity E	IMP/19/18		10mg	5,000/-	2,500/-
133.	Naphazoline Impurity C	IMP/13/18		10mg	5,000/-	2,500/-

134.	Gliclazide Impurity F	IMP/36/17		20mg	15,000/-	7,500/-
135.	Norfloxacin Impurity A	IMP/08/19		20mg	25,000/-	12,500/-
136.	(+) - Dihydroquinidine	IMP/09/19		20mg	5,000/-	2,500/-
137.	Proguanil Hydrochloride Impurity C	IMP/11/19		20mg	25,000/-	12,500/-
138.	Lamivudine Impurity A	IMP/12/19		20mg	25,000/-	12,500/-
139.	Clotrimazole Impurity B	IMP/13/19		20mg	10,000/-	5,000/-
140.	Hydroxychloroquine sulphate	IMP/14/19		20mg	5,000/-	2,500/-
141.	Pyridoxine Hydrochloride Impurity A	IMP/15/19		20mg	15,000/-	7,500/-
142.	Valproic Acid Impurity C	IMP/16/19		20mg	15,000/-	7,500/-
143.	Glimepiride Impurity C	IMP/17/19		20mg	25,000/-	12,500/-
144.	Etodolac Impurity C	IMP/18/19		20mg	25,000/-	12,500/-
145.	Fenofibrate Impurity A	IMP/12/17		20mg	25,000/-	12,500/-
146.	Ondansetron Impurity C	IMP/10/19		20mg	25,000/-	12,500/-
147.	Ondansetron Impurity D	IMP/19/19		20mg	25,000/-	12,500/-

148.	Pyridoxine Impurity B	IMP/20/19		20mg	15,000/-	7,500/-
149.	Proguanil Hydrochloride Impurity D	IMP/21/19		20mg	25,000/-	12,500/-
150.	Ibuprofen Impurity F	IMP/22/19		20mg	25,000/-	12,500/-
151.	Glimepiride Impurity D	IMP/23/19		20mg	25,000/-	12,500/-
152.	Rifampicin N-Oxide	IMP/24/19		20mg	10,000/-	5,000/-
153.	Mepyramine Maleate Impurity C	IMP/14/18		20mg	10,000/-	5,000/-
154.	Fenofibrate Impurity B	IMP/16/18		20mg	25,000/-	12,500/-
155.	Cilnidipine Impurity A	IMP/02/18		20mg	25,000/-	12,500/-
156.	Ebastine Impurity D	IMP/26/18		20mg	25,000/-	12,500/-
157.	Benzhexol Impurity A (1-Phenyl-3-(piperidin-1-yl)propan-1-one) (Trihexyphenidyl impurity A)	IMP/06/19		20mg	25,000/-	12,500/-
158.	Felodipine Impurity A	IMP/04/18		20mg	25,000/-	12,500/-
159.	Bisacodyl Impurity C	IMP/10/18		20mg	20,000/-	10,000/-
160.	2-[4-[(7-Chloroquinolin-4yl) amino]pentylamino]ethanol (HCQS Impurity )	IMP/10/20		1mg	10,000/-	5,000/-

161.	Diphenhydramine Impurity -A	IMP/25/18		20mg	25,000/-	12,500/-
162.	Norfloxacin Impurity H	IMP/05/18		20mg	25,000/-	12,500/-
163.	Finasteride Impurity A	IMP/03/19		20mg	25,000/-	12,500/-
164.	Ketorolac Impurity B	IMP/30/18		20mg	25,000/-	12,500/-
165.	Ebastine Impurity C	IMP/02/19		20mg	25,000/-	12,500/-
166.	Aciclovir Impurity G	IMP/11/20		20mg	20,000/-	10,000/-
167.	Aciclovir Impurity A	IMP/08/20		20mg	20,000/-	10,000/-
168.	Sulpiride Impurity B	IMP/04/20		20mg	25,000/-	12,500/-
169.	Nordiazepam (Diazepam Impurity)	IMP/06/20		20mg	25,000/-	12,500/-
170.	Praziquantel Impurity A	IMP/02/20		20mg	25,000/-	12,500/-
171.	Clemastine Impurity C	IMP/03/18		20mg	25,000/-	12,500/-
172.	Emtricitabine Racemic Mixture	IMP/07/20		20mg	25,000/-	12,500/-