

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 | IMP/01/12 | 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 | 15000/- | 7500/- |
| 4. | D3-isomers (Cefuroxime Axetil Impurity) | IMP/003/13 | | 20 mg | 15000/- | 7500/- |
| 5. | Dicyandiamide | IMP/004/13 | | 20 mg | 5000/- | 2500/- |
| 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 | 10000/- | 5000/- |
| 10. | Guanine | IMP/02/14 | | 20 mg | 5000/- | 2500/- |
| 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/09/14 | | 20 mg | 5000/- | 2500/- |
| 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 | 10000/- | 5000/- |
| 31. | Cetirizine impurity A | IMP/01/15 | | 20 mg | 10000/- | 5000/- |
| 32. | Baclofen impurity A | IMP/02/15 | | 20 mg | 5000/- | 2500/- |
| 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 | 10000/- | 5000/- |
| 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 | 15000/- | 7500/- |
| 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 | 5000/- | 2500/- |
| 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 | 5000/- | 2500/- |
| 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 | 5000/- | 2500/- |
| 70. | Sodium Bromide | IMP/14/16 | | 20 mg | 5000/- | 2500/- |
| 71. | 3-Pyridyl acetic acid hydrochloride (Risedronate sodium impurity) | IMP/15/16 | | 20 mg | 5000/- | 2500/- |
| 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 | 15000/- | 7500/- |
| 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 | 10000/- | 5000/- |
| 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 | 15000/- | 7500/- |
| 107. | Allopurinol Impurity A | IMP/03/17 | | 20 mg | 5,000/- | 2500/- |
| 108. | 10,11-Dihydrocarbamazepine (Carbamazepine) | IMP/04/17 | | 20 mg | 5,000/- | 2500/- |
| 109. | Folic acid impurity D | IMP/06/17 | | 20 mg | 5000/- | 2500/- |
| 110. | Fexofenadine impurity B | IMP/09/17 | | 20 mg | 15000/- | 7500/- |
| 111. | Ciprofloxacin ethylenediamine analog | IMP/13/17 | | 20 mg | 15000/- | 7500/- |
| 112. | Carvedilol Impurity A | IMP/15/17 | | 20 mg | 15,000/- | 7500/- |
| 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 | 10,000/- | 5000/- |
| 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 | 15,000/- | 7500/- |

| | | | | | | |
|------|-------------------------|-----------|------------------|-------|----------|--------|
| 120. | Azithromycin Impurity A | IMP/43/17 | IMP/01/14 | 20 mg | 15,000/- | 7500/- |
|------|-------------------------|-----------|------------------|-------|----------|--------|