



**SOURCES, QUALITY AND PRICES OF ACTIVE  
PHARMACEUTICAL INGREDIENTS OF  
ANTIRETROVIRAL DRUGS**

**Results of a 2010 WHO survey**

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## SOURCES, QUALITY AND PRICES OF ACTIVE PHARMACEUTICAL INGREDIENTS OF ANTIRETROVIRAL DRUGS

### Results of a 2010 WHO survey

In 2010, WHO conducted a survey of the market of Active Pharmaceutical Ingredients (API) of antiretroviral drugs. The information requested from the manufacturers included whether they produce them, and what is the price, the regulatory status and pharmacopoeia standard of their products. Eighteen manufacturers responded. The information they provided is shown in the tables below, which are arranged in alphabetical order by the International Non-proprietary Name of their products.

**Disclaimer:** *All data and information available in the Sources, Quality and Prices of Active Pharmaceutical Ingredients (API) for antiretroviral medicines has been provided by the manufacturers and has not been verified. WHO makes no representations or warranties, either expressed or implied, as to their accuracy, completeness or fitness for a particular purpose. Neither does WHO accept any responsibility or liability with regard to the reliance on, or use of, such data and information.*

*WHO has made every effort to ensure the accuracy of the information presented, but the readers should realize that manufacturing and production capacity are a highly dynamic area, and that data can therefore never be complete. The data and information contained herein are being provided as is.*

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*Errors or omissions excepted, the names of proprietary products are distinguished by initial capital letters.*

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**Table 1: Abacavir**

<b>Manufacturer and Address</b>	<b>API Quoted Price \$/kg</b>	<b>Address of Production Facility</b>	<b>Regulatory authorities that certified GMP compliance</b>	<b>Pharmacopoeia Standard</b>	<b>Production capacity (kg)/year</b>	<b>DMF Available (Yes/No)</b>
<b>Anhui Biochem United Pharmaceutical Co., Ltd</b> No. 108 Shahe Road, Taihe, China <a href="mailto:zxl@bcpharm.com">zxl@bcpharm.com</a>	320	Taihe	Under preparation	USP	1,000	Under preparation
<b>Aurobindo Pharma Ltd</b> Mr Nithyananda Reddy, MD Plot No. 2, Maitrivihar, Ameerpet Hyderabad, India	950	<b>Unit - XI</b> Survey N° 61 - 66 IDA Pydibhimavaram Ranasthali Man-dal Srikakulam District 532 409 Andhra Pradesh India	India, USFDA	In-House	14,000	Yes
<b>Cipla, Cipla Ltd.</b> Mumbai Central Mumbai 400 008 India Tel: +91 22 2308 2891 +91 22 2309 5521	1,150	Plot D7 MIDC Kurkumbh Taluka Daund District Pune India	USFDA, TGA, WHO-Geneva	USP, EP, IP		Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Hetero Drugs Ltd.</b> Dr. B.P.S Reddy M/s. 7-2-A2, Hetero Corporate, Industrial Estates, Sanath Nagar, Hyderabad, India- 500082 Email: <a href="mailto:bpsreddy@heterodrugs.com">bpsreddy@heterodrugs.com</a> <a href="http://www.heterodrugs.com">www.heterodrugs.com</a> Tel: +91-40- 23704923/24/25 Fax: +91-40- 23704926,23714250</p>	900	Hetero Labs Limited, Kazipally, Hyperabad		USP	38,400	Yes
<p><b>Matrix Laboratories Ltd,</b> (Unit 8) G.chodavaram village, Pusapatirega (M) Vizianagaram District, Andhra Pradesh, India Tel: 0091-08458-277248 Fax: 0091-08458-277211</p>	850	<p><b>Unit VIII</b> G. Chodavaram Poosapatirega Mandal Vizianagaram District 535 204 Andhra Pradesh India</p>	USA, WHO and India	USP	30,000	Yes

**Table 2: Atazanavir**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Matrix Laboratories Ltd.</b> 1-1-151/1 Sairam Towers, Alexander Road, Secunderabad - 500 003, India Phone: +91 40 5537 7427 Mobile: +91 98481 13220 Fax: +91 40 5533 6401 Email: <a href="mailto:narayanan.s@matrixlabsindia.com">narayanan.s@matrixlabsindia.com</a>	1400	Unit I	Filed	in House	6,000	Filed

**Table 3: Darunavir**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Cilag AG</b> Hochstrasse 201 CH-8205 Schaffhausen Switzerland		Cilag AG Hochstrasse 201 CH-8205 Schaffhausen Switzerland	Swissmedic Japanese PMDA Korean FDA USFDA			Yes
<b>Janssen Pharmaceutica</b> Little Island County Cork, Ireland		Janssen Pharmaceutica Little Island County Cork, Ireland	Irish Medicines Board (IMB) FDA, USA			Yes

(API price and production capacity provided on request (Campaign) by the company)

**Table 4: Didanosine**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Aurobindo Pharma Ltd</b> Mr Nithyananda Reddy, MD Plot No. 2, Maitrivihar, Ameerpet Hyderabad, India IDA Pydibhimavaram Ranasthali Man-dal Srikakulam District 532 409 Andhra Pradesh India</p>	650	<p>Unit – VIII Survey N° 13 Gaddapotharam (Village) IDA Kazipally Jinnaram (Mandal) Medak District Andhra Pradesh 502 319 India</p>	India, USFDA	In-House	12,000	Yes
<p><b>Hetero Drugs Limited</b> Dr. B.P.S Reddy M/s., 7-2- A2, Hetero Corporate, Industrial Estates, Sanath Nagar, Hyderabad, India- 500082 Email: <a href="mailto:bpsreddy@heterodrugs.com">bpsreddy@heterodrugs.com</a> <a href="http://www.heterodrugs.com">www.heterodrugs.com</a> Tel: +91-40-23704923/24/25 Fax: +91-40- 23704926/23714250</p>	575	Hetero Labs Limited, Kazipally, Hyperabad	WHO(Local) GMP/ EU GMP	USP/EP	16,800	Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Shanghai Desano Chemical Pharmaceutical Co., Ltd.</b>            Mr. Kenny Cheung            No.1479 Zhangheng Road,            Zhangjiang High-tech Park,            Shanghai 201203, China Tel:            +86-21-5132 3300            Fax: +86-21-5132 3311            Email: <a href="mailto:info@desano.com">info@desano.com</a>  <a href="http://www.desano.com">www.desano.com</a>  <a href="mailto:Kenny.cheung@desano.com">Kenny.cheung@desano.com</a></p>	550	9125 Hunan Road Nanhui Shanghai 201300 P. R. China	-	-	Campaign	Yes

**Table 5: Efavirenz**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Aurobindo Pharma Ltd</b> Mr Nithyananda Reddy, MD Plot No. 2, Maitrivihar, Ameerpet Hyderabad, India</p>	250	<p><b>Unit – VIII</b> Survey N° 13 Gaddapotharam (Village) IDA Kazipally Jinnaram (Mandal) Medak District 502 319 Andhra Pradesh India</p>	India, USFDA	In-House	120,000	Yes
		<p><b>Unit – XI</b> IDA Pydibhimavaram Ranasthali Man- dal Srikakulam District 532 409 Andhra Pradesh India</p>				
<p><b>Cipla Ltd.</b> Mumbai Central, Mumbai 400 008 - India Tel: +91 22 2308 2891 +91 22 2309 5521</p>	600	<p>Plot D7 MIDC Kurkumbh Taluka Daund District Pune India</p>	USFDA, TGA, WHO-Geneva	USP, EP, IP		Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Emcure Pharmaceuticals Ltd.</b> Balaji UD Director-Global HIV/AIDS Initiatives Rajiv Gandhi IT Park, MIDC, Hinjewadi Pune - 411057 India Tel: +91 20 39821004 Mobile: +91 9890199044 Fax: +91 2039821030 Email: <a href="mailto:BalajiUD@emcure.co.in">BalajiUD@emcure.co.in</a> Web: <a href="http://www.emcure.co.in">http://www.emcure.co.in</a></p>	450	Emcure Pharmaceuticals limited, Kurkumbh, India	USFDA			
<p><b>Hetero Drugs Limited,</b> Dr. B.P.S Reddy M/s. 7-2-A2, Hetero Corporate, Industrial Estates, Sanath Nagar, Hyderabad, India-500082 Email: <a href="mailto:bpsreddy@heterodrugs.com">bpsreddy@heterodrugs.com</a> <a href="http://www.heterodrugs.com">www.heterodrugs.com</a> Tel: +91-40-23704923/24/25 Fax: +91-40- 23704926/23714250</p>	300	Hetero Labs Limited, Kazipally, Hyperabad	WHO(Local) GMP/ EU GMP	In-House	150,000	Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Shanghai Desano Chemical Pharmaceutical Co., Ltd.</b> Mr. Kenny Cheung No.1479 Zhangheng Road, Zhangjiang High-tech Park, Shanghai 201203, China Tel: +86-21-5132 3300 Fax: +86-21-5132 3311 Email: <a href="mailto:info@desano.com">info@desano.com</a> <a href="mailto:Kenny.cheung@desano.com">Kenny.cheung@desano.com</a> <a href="http://www.desano.com">www.desano.com</a>	350	9125 Hunan Road Nanhui Shanghai 201300 P. R. China	-	IP	100,000	Yes

**Table 6: Efavirenz -DEZ**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Matrix Laboratories Ltd.</b> 1-1-151/1 Sairam Towers, Alexander Road, Secunderabad - 500 003, India Phone: +91 40 5537 7427 Mobile: +91 98481 13220 Fax: +91 40 5533 6401 Email: <a href="mailto:narayanan.s@matrixlabsindia.com">narayanan.s@matrixlabsindia.com</a>	325	<b>Unit VIII</b> G. Chodavaram Poosapatirega Mandal Vizianagaram District 535 204 Andhra Pradesh India	WHO/India	in House	225,000	Yes

**Table 7: Efavirenz – MMA**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Matrix Laboratories Ltd.</b>            1-1-151/1 Sairam Towers,            Alexander Road,            Secunderabad - 500 003, India            Phone: +91 40 5537 7427            Mobile: +91 98481 13220            Fax: +91 40 5533 6401            Email:  <a href="mailto:narayanan.s@matrixlabsindia.com">narayanan.s@matrixlabsindia.com</a></p>	325	<p><b>Unit VIII</b>            G. Chodavaram            Poosapatirega            Mandal            Vizianagaram            District 535 204            Andhra Pradesh            India</p> <hr/> <p><b>Unit III</b></p>	USFDA/WHO/India	in House	36,000	Yes

**Table 8: Emtricitabine**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Aurobindo Pharma Ltd</b> Mr Nithyananda Reddy, MD Plot No. 2, Maitrivihar, Ameerpet Hyderabad, India	320	<b>Unit - XI</b> Survey N° 61 – 66, IDA Pydibhimavaram Ranasthali Man- dal Srikakulam District 532 409, Andhra Pradesh – India	India, USFDA	In-House	20,000	Yes
<b>Cipla Ltd.</b> Mumbai Central Mumbai 400 008, India Tel: +91 22 2308 2891 +91 22 2309 5521	1,100	Plot D7 MIDC Kurkumbh Taluka Daund District Pune India	USFDA, TGA, WHO-Geneva	USP, EP, IP		Yes
<b>Hetero Drugs Limited,</b> Dr. B.P.S Reddy M/s. 7-2-A2, Hetero Corporate, Industrial Estates, Sanath Nagar, Hyderabad, India-500082 Email: <a href="mailto:bpsreddy@heterodrugs.com">bpsreddy@heterodrugs.com</a> <a href="http://www.heterodrugs.com">www.heterodrugs.com</a> Tel: +91-40-23704923/24/25 Fax: +91-40- 23704926/23714250	675	Hetero Labs Limited, Kazipally, Hyderabad	EU GMP	In-House	40,000	Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Lonzeal Pharmaceuticals Co., Ltd</b> No. 16 West Ring Road, Shenze, Shijiazhuang City, Hebei Province 052560 China</p>	600	No. 16 West Ring Road, Shenze, Shijiazhuang City, Hebei Province 052560 China	N/A	Ph.Int., USP	20,000	Yes
<p><b>Matrix Laboratories Ltd,</b> Unit 3 - Plot No's 38 to 40, 49 to 51, Phase-IV, IDA, Jeedimetla, Hyderabad, Andhra Pradesh, India. Ph : 0091-40-23097777 FAX : 0091-40-23098572</p>	650	Unit III	USFDA and India	in House	24,000	Yes
<p><b>Shanghai Desano Chemical Pharmaceutical Co., Ltd.</b> Mr. Kenny Cheung No.1479 Zhangheng Road, Zhangjiang High-tech Park, Shanghai 201203, China Tel: +86-21-5132 3300 Fax: +86-21-5132 3311 Email: <a href="mailto:info@desano.com">info@desano.com</a> <a href="http://www.desano.com">www.desano.com</a> <a href="mailto:Kenny.cheung@desano.com">Kenny.cheung@desano.com</a></p>	1,000	9125 Hunan Road Nanhui Shanghai 201300 P. R. China	-	-	Campaign	Yes

**Table 9: Etravirine**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Janssen Pharmaceutica, N.V.</b> Janssen Pharmaceutica Laan 3 B-2440 Geel, Belgium	API price provided on request	Janssen Pharmaceutica, N.V. Janssen Pharmaceutica Laan 3 B-2440 Geel, Belgium	Federal Agency for Medicines and Health Products (FAGG), Belgium PMDA, Japan FDA, USA ANVISA, Brazil		production capacity provided on request (Campaign)	Yes

**Table 10: Indinavir**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Hetero Drugs Limited,</b> Dr. B.P.S Reddy M/s. 7-2-A2, Hetero Corporate, Industrial Estates, Sanath Nagar, Hyderabad, India-500082 Email: <a href="mailto:bpsreddy@heterodrugs.com">bpsreddy@heterodrugs.com</a> <a href="http://www.heterodrugs.com">www.heterodrugs.com</a> Tel: +91-40-23704923/24/25 Fax: +91-40 23704926/ 23714250	400	Hetero Drugs Limited, Bonthapally, Hyderabad	-	-	-	-

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Matrix Laboratories Ltd.</b> 1-1-151/1 Sairam Towers, Alexander Road, Secunderabad - 500 003, India Phone: +91 40 5537 7427 Mobile: +91 98481 13220 Fax: +91 40 5533 6401 Email: <a href="mailto:narayanan.s@matrixlabsindia.com">narayanan.s@matrixlabsindia.com</a></p>	450	N/A	N/A	N/A	N/A	No
<p><b>Shanghai Desano Chemical Pharmaceutical Co., Ltd.</b> Mr. Kenny Cheung No.1479 Zhangheng Road, Zhangjiang High-tech Park, Shanghai 201203, China Tel: +86-21-5132 3300 Fax: +86-21-5132 3311 Email: <a href="mailto:info@desano.com">info@desano.com</a> <a href="http://www.desano.com">www.desano.com</a> <a href="mailto:Kenny.cheung@desano.com">Kenny.cheung@desano.com</a></p>	450	9125 Hunan Road Nanhui Shanghai 201300 P. R. China			Campaign	Yes

**Table 11: Lamivudine**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Anhui Biochem United Pharmaceutical Co., Ltd</b> No. 108 Shahe Road, Taihe, China <a href="mailto:zxl@bcpharm.com">zxl@bcpharm.com</a>	160	Taihe	China GMP	USP	120,000	Yes
<b>Aurobindo Pharma Ltd.</b> Mr Nithyananda Reddy, MD Plot No. 2, Maitrivihar, Ameerpet Hyderabad, India	240	<b>Unit I</b> Survey N° 388 & 389 Borpatla village Hatnoora Mandal Medak District 502 296 Andhra Pradesh India	India, USFDA	USP	120,000	Yes
<b>Cipla Ltd.</b> Mumbai Central Mumbai 400 008 India Tel: +91 22 2308 2891 +91 22 2309 5521	250	Plot D7 MIDC Kurkumbh Taluka Daund District Pune India	US-FDA, TGA, WHO-Geneva	USP, EP, IP		Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Glaxo Welcome Manufacturing Pte Ltd</b> 1 Pioneer Sector 1, Singapore	GBP 450		Health Science Authority, Singapore (also an approved USFDA-inspection site)	USP/EP		
<b>Hetero Drugs Limited,</b> Dr. B.P.S Reddy M/s. 7-2-A2, Hetero Corporate, Industrial Estates, Sanath Nagar, Hyderabad, India-500082 Email, <a href="mailto:bpsreddy@heterodrugs.com">bpsreddy@heterodrugs.com</a> <a href="http://www.heterodrugs.com">www.heterodrugs.com</a> Tel: +91-40-23704923/24/25 Fax: +91-40-23704926/14250	210	Hetero Labs Limited, Kazipally, Hyperabad	WHO(Local) GMP/ EU GMP	USP/EP	120,000	Yes
<b>Lonzeal Pharmaceuticals Co., Ltd</b> No. 16 West Ring Road, Shenze, Shijazhuang City, Hebei Province 052560 China	150	No. 16 West Ring Road, Shenze, Shijazhuang City, Hebei Province 052560 China	China, India, WHO (in-process)	USP, EP, Ph.Int., India Ph., China Ph.	100,000	Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Matrix Laboratories Ltd.</b> 1-1-151/1 Sairam Towers, Alexander Road, Secunderabad - 500 003, India Phone: +91 40 5537 7427 Mobile: +91 98481 13220 Fax: +91 40 5533 6401 Email: <a href="mailto:narayanan.s@matrixlabsindia.com">narayanan.s@matrixlabsindia.com</a>	220	<b>Unit I</b>	USFDA/WHO/India	USP	132,000	Yes
		<b>Unit II (Astrix)</b> Survey N° 10 Gaddapotharam Kazipally, Medak District 502 319 Andhra Pradesh India	USFDA/WHO/India	USP	108,000	Yes
		<b>Smruti (CMU)</b>	Not filed yet	USP	60,000	No
		<b>Mchem</b>	Filed with WHO	USP	60,000	Filed
<b>Shanghai Desano Chemical Pharmaceutical Co., Ltd.</b> Mr. Kenny Cheung No.1479 Zhangheng Road, Zhangjiang High-tech Park, Shanghai 201203, China Tel: +86-21-5132 3300 Fax: +86-21-5132 3311 Email: <a href="mailto:info@desano.com">info@desano.com</a> <a href="http://www.desano.com">www.desano.com</a> <a href="mailto:Kenny.cheung@desano.com">Kenny.cheung@desano.com</a>	180	9125 Hunan Road Nanhui Shanghai 201300 P. R. China	WHO/ US	USP	150,000	Yes

**Table 12: Lopinavir**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Abbott Laboratories</b> D-6 MQ; AP34-3 200 Abbott Park Road, Abbott Park, IL 60064 USA	N/A	Campoverde Italy and Barceloneta Puerto Rico	US FDA and EMA, and other national agencies such as Australia, Brazil and Japan	WHO monograph is accepted; USP and EP is pending	N/A	No
<b>Anhui Biochem United Pharmaceutical Co., Ltd</b> No. 108 Shahe Road, Taihe, China <a href="mailto:zxl@bcpharm.com">zxl@bcpharm.com</a>	2,000	Taihe	Under preparing	USP	1,000	Under prepara- tion
<b>Matrix Laboratories Ltd.</b> 1-1-151/1 Sairam Towers, Alexander Road, Secunderabad - 500 003, India Phone: +91 40 5537 7427 Mobile: +91 98481 13220 Fax: +91 40 5533 6401 Email: <a href="mailto:narayanan.s@matrixlabsindia.com">narayanan.s@matrixlabsindia.com</a>	1100	<b>Unit I</b>	India and USA	In House	36,000	Yes
		<b>Unit II</b> Survey N° 10 Gaddapotharam Kazipally, Medak District 502 319 Andhra Pradesh India				

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Aurobindo Pharma Ltd.</b> Mr Nithyananda Reddy, MD Plot No. 2, Maitrivihar, Ameerpet Hyderabad, India</p>	1,250	<p><b>Unit XI</b> Survey N° 61-66, IDA Pydibhimavaram Ranasthali Mandal Srikakulam District 532 409 Andhra Pradesh India</p>	India, USFDA	In-House	15,000	Yes
<p><b>Hetero Drugs Limited</b> Dr. B.P.S Reddy M/s., 7-2-A2, Hetero Corporate, Industrial Estates, Sanath Nagar, Hyderabad, India-500082 Email: <a href="mailto:bpsreddy@heterodrugs.com">bpsreddy@heterodrugs.com</a> <a href="http://www.heterodrugs.com">www.heterodrugs.com</a> Tel: +91-40-23704923/24/25 Fax: +91-40-23704926/14250</p>	1150	<p>Hetero Labs Limited, Kazipally, Hyperabad</p>	WHO(Local) GMP/ EU GMP	In-House	36,000	Yes

**Table 13: Nevirapine Anhydrous**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Aurobindo Pharma Ltd</b> Mr Nithyananda Reddy, MD Plot No. 2, Maitrivihar, Ameerpet Hyderabad, India</p>	220	<p><b>Unit – I</b> Survey N° 388 &amp; 389 Borpatla village Hatnoora Mandal Medak District Andhra Pradesh 502 296 India</p> <p><b>Unit – XI</b> IDA Pydibhimavaram Ranasthali Man- dal Srikakulam District 532 409 Andhra Pradesh India</p>	India, USFDA	USP	120,000	Yes
<p><b>Boehringer Ingelheim Pharma GmbH &amp; Co</b> Corporate Division Communications Binger Strasse 173 55216 Ingelheim am Rhein Phone +49 / 6132 / 77 0 Fax +49 / 6132 / 72 0</p>		<p>Boehringer Ingelheim Chemicals INC., 2820 North Normandy Drive, Petersburg (VA) 23805, USA</p>	<p>FDA (USA) and the Competent authority of Rheinland- Pfalz, Germany "Landesamt für Jugend, Soziales und Versorgung"</p>	USP, EP, BP		No

**Table 14: Nevirapine Hemihydrate**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Aurobindo Pharma Ltd</b> Mr Nithyananda Reddy, MD Plot No. 2, Maitrivihar, Ameerpet Hyderabad, India</p>	400	<p><b>Unit – I</b> Survey N° 388 &amp; 389 Borpatla village Hatnoora Mandal Medak District Andhra Pradesh 502 296 India</p>	India, USFDA	USP	5,000	Yes
<p><b>Boehringer Ingelheim Pharma GmbH &amp; Co</b> Corporate Division Communications Binger Strasse 173 55216 Ingelheim am Rhein Phone +49 / 6132 / 77 0 Fax +49 / 6132 / 72 0</p>		<p><b>Boehringer Ingelheim Chemicals INC.</b>, 2820 North Normandy Drive, Petersburg (VA) 23805, USA</p>	FDA (USA) and RDA Rheinland- Pfalz, Germany "Landesamt für Jugend, Soziales und Versorgung"	USP		No

**Table 15: Nevirapine**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Anhui Biochem United Pharmaceutical Co., Ltd</b> No. 108 Shahe Road, Taihe, China <a href="mailto:zxl@bcpharm.com">zxl@bcpharm.com</a>	156	Taihe	Under preparation	USP	20,000	Under preparation
<b>Cipla, Cipla Ltd.</b> Mumbai Central, Mumbai 400 008 India Tel: +91 22 2308 2891 +91 22 2309 5521	250	Plot D7 MIDC Kurkumbh Taluka Daund District Pune India	USFDA, TGA, WHO-Geneva	USP, EP, IP		Yes
<b>Hetero Drugs Limited</b> Dr. B.P.S Reddy M/s., 7-2-A2, Hetero Corporate, Industrial Estates, Sanath Nagar, Hyderabad, India-500082 Email: <a href="mailto:bpsreddy@heterodrugs.com">bpsreddy@heterodrugs.com</a> <a href="http://www.heterodrugs.com">www.heterodrugs.com</a> Tel: +91-40-23704923/24/25 Fax: +91-40 23704926/23714250	200	Hetero Labs Limited, Kazipally, Hyperabad	WHO(Local) GMP/ EU GMP	USP/EP	216,000	Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Matrix Laboratories Ltd.</b> 1-1-151/1 Sairam Towers, Alexander Road, Secunderabad - 500 003, India Phone: +91 40 5537 7427 Mobile: +91 98481 13220 Fax: +91 40 5533 6401 Email: <a href="mailto:narayanan.s@matrixlabsindia.com">narayanan.s@matrixlabsindia.com</a></p>	220	<p><b>Unit I</b></p>	USFDA/WHO/India	USP	60,000	Yes
		<p><b>Unit II</b> Survey N° 10 Gaddapotharam Kazipally, Medak District 502 319 Andhra Pradesh India</p>			144000	
<p><b>Shandong Xinhua Pharmaceutical Co., Ltd</b> Dongyi Road, Zhandian, Zibo, Shandong, 255005, China Tel: +86-533-2196082 Fax: +86-533-2183499 <a href="mailto:luoshizhong@xhzy.com">luoshizhong@xhzy.com</a> <a href="mailto:pengxinwen@xhzy.com">pengxinwen@xhzy.com</a> <a href="http://www.xhzy.com/en">Http://www.xhzy.com/en</a></p>	275	Zibo, Shandong, China	China GMP	National Standard	5,000	No

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Shanghai Desano Chemical Pharmaceutical Co., Ltd.</b>            Mr. Kenny Cheung            No.1479 Zhangheng Road,            Zhangjiang High-tech Park,            Shanghai 201203, China            Tel: +86-21-5132 3300            Fax: +86-21-5132 3311            Email: <a href="mailto:info@desano.com">info@desano.com</a>  <a href="http://www.desano.com">www.desano.com</a>  <a href="mailto:Kenny.cheung@desano.com">Kenny.cheung@desano.com</a></p>	180	9125 Hunan Road Nanhui Shanghai 201300 P. R. China	WHO/ US	USP	120,000	Yes
<p><b>Zhejiang Huahai Pharmaceutical Co.,Ltd</b>            Wayne Zhu Xunqiao Linhai            Zhejiang 317024, China            Tel: +86 576 850 16089            Fax: +86 576 8599 1062  <a href="mailto:Zhuwenying@huahaipharm.com">Zhuwenying@huahaipharm.com</a>,  <a href="mailto:hpharm@mail.tzptt.zj.cn">hpharm@mail.tzptt.zj.cn</a>            Web: <a href="http://www.huahaipharm.com">www.huahaipharm.com</a></p>	185	Du Qiao, Linhai	FDA Approved, China SFDA GMP	USP	120,000	Yes

**Table 16: Ritonavir**

<b>Manufacturer and Address</b>	<b>API Quoted Price \$/kg</b>	<b>Address of Production Facility</b>	<b>Regulatory authorities that certified GMP compliance</b>	<b>Pharmacopoeia Standard</b>	<b>Production capacity (kg)/year</b>	<b>DMF Available (Yes/No)</b>
<b>Abbott Laboratories</b> D-6 MQ; AP34-3 200 Abbott Park Road, Abbott Park, IL 60064 USA	N/A	Campoverde, Italy	US FDA and EMA, and other national agencies such as Australia, Brazil and Japan	USP, EP and WHO	N/A	No
<b>Anhui Biochem United Pharmaceutical Co., Ltd</b> No. 108 Shahe Road, Taihe, China <a href="mailto:zxl@bcpharm.com">zxl@bcpharm.com</a>	900	Taihe	Under preparation	USP	12,000	Under preparation
<b>Aurobindo Pharma Ltd</b> Mr Nithyananda Reddy, MD Plot No. 2, Maitrivihar, Ameerpet Hyderabad, India	1500	<b>Unit – I</b> Survey N° 388 & 389 Borpatla village Hatnoora Mandal Medak District Andhra Pradesh 502 296 India	India, USFDA	USP	12,000	Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Hetero Drugs Limited,</b> Dr. B.P.S Reddy M/s. 7-2-A2, Hetero Corporate, Industrial Estates, Sanath Nagar, Hyderabad, India-500082 Email: <a href="mailto:bpsreddy@heterodrugs.com">bpsreddy@heterodrugs.com</a> <a href="http://www.heterodrugs.com">www.heterodrugs.com</a> Tel: +91-40-23704923/24/25 Fax: +91-40-23704926/23714250</p>	1150	Hetero Drugs Limited, Bonthapally, Hyderabad	WHO(Local) GMP/ EU GMP	-	24000	-
<p><b>Matrix Laboratories Ltd.</b> 1-1-151/1 Sairam Towers, Alexander Road, Secunderabad - 500 003, India Phone: +91 40 5537 7427 Mobile: +91 98481 13220 Fax: +91 40 5533 6401 Email: <a href="mailto:narayanan.s@matrixlabsindia.com">narayanan.s@matrixlabsindia.com</a></p>	1,250	<p><b>Unit VIII</b> G. Chodavaram Poosapatirega Mandal Vizianagaram District 535 204 Andhra Pradesh India</p>	USFDA/WHO/ India	USP	12,000	Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Shanghai Desano Chemical Pharmaceutical Co., Ltd.</b>            Mr. Kenny Cheung            No.1479 Zhangheng Road,            Zhangjiang High-tech Park,            Shanghai 201203, China Tel:            +86-21-5132 3300            Fax: +86-21-5132 3311            Email: <a href="mailto:info@desano.com">info@desano.com</a>  <a href="http://www.desano.com">www.desano.com</a>  <a href="mailto:Kenny.cheung@desano.com">Kenny.cheung@desano.com</a></p>	1,200	Shanghai	-	USP	Campaign	Yes

**Table 17: Saquinavir**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Shanghai Desano Chemical Pharmaceutical Co., Ltd.</b>            Mr. Kenny Cheung            No.1479 Zhangheng Road,            Zhangjiang High-tech Park,            Shanghai 201203, China            Tel: +86-21-5132 3300            Fax: +86-21-5132 3311            Email: <a href="mailto:info@desano.com">info@desano.com</a>  <a href="http://www.desano.com">www.desano.com</a>  <a href="mailto:Kenny.cheung@desano.com">Kenny.cheung@desano.com</a></p>	900	Shanghai	-	-	Campaign	Yes

**Table 18: Stavudine**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Anhui Biochem United Pharmaceutical Co., Ltd</b> No. 108 Shahe Road, Taihe, China <a href="mailto:zxl@bcpharm.com">zxl@bcpharm.com</a>	370	Taihe	Under preparing	USP	10,000	Under preparing
<b>Aurobindo Pharma Ltd</b> Mr Nithyananda Reddy, MD Plot No. 2, Maitrivihar, Ameerpet Hyderabad, India	450	<b>Unit – I</b> Survey N° 388 & 389 Borpatla village Hatnoora Mandal Medak District Andhra Pradesh 502 296 India	India, USFDA	USP	10,000	Yes
<b>Cipla Ltd.</b> Mumbai Central, Mumbai 400 008 India Tel: +91 22 2308 2891 +91 22 2309 5521	510	Plot D7 MIDC Kurkumbh Taluka Daund District Pune India	US-FDA, TGA, WHO-Geneva	USP, EP, IP		Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Hetero Drugs Limited</b>            Dr. B.P.S Reddy M/s.            7-2-A2, Hetero Corporate,            Industrial Estates, Sanath Nagar,            Hyderabad, India-500082            Email:  <a href="mailto:bpsreddy@heterodrugs.com">bpsreddy@heterodrugs.com</a>  <a href="http://www.heterodrugs.com">www.heterodrugs.com</a>            Tel: +91-40-23704923/24/25            Fax: +91-40-23704926/23714250</p>	-	Hetero Labs Limited, Kazipally, Hyperabad	WHO, GMP, USFDA, EU GMP (DANISH)	USP/EP	60,000	Yes
<p><b>Matrix Laboratories Ltd.</b>            1-1-151/1 Sairam Towers,            Alexander Road,            Secunderabad - 500 003, India            Phone: +91 40 5537 7427            Mobile: +91 98481 13220            Fax: +91 40 5533 6401            Email:  <a href="mailto:narayanan.s@matrixlabsindia.com">narayanan.s@matrixlabsindia.com</a></p>	380	<p><b>Unit II (Astrix)</b>            Survey N° 10            Gaddapotharam            Kazipally, Medak            District 502 319            Andhra Pradesh            India</p>	US, WHO, India	USP	40,000	Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Samchully Pharm Ltd</b>            Sam Kim 8F Samtan Bldg.            947-7 Daechi-dong Gangnam-gu, Seoul, Korea 135-735            Tel: +82-(0)2-527-6328                  +82-(0)2-527-6300            Fax: +82-(0)2-561-6006            Email: <a href="mailto:chem@samchullypharm.com">chem@samchullypharm.com</a>  <a href="http://www.scp.co.kr">http://www.scp.co.kr</a></p>	580	Siheung-ST	Korea	USP	50,000	No
<p><b>Shanghai Desano Chemical Pharmaceutical Co., Ltd.</b>            Mr. Kenny Cheung            No.1479 Zhangheng Road,            Zhangjiang High-tech Park,            Shanghai 201203, China            Tel: +86-21-5132 3300            Fax: +86-21-5132 3311            Email: <a href="mailto:info@desano.com">info@desano.com</a>  <a href="http://www.desano.com">www.desano.com</a>  <a href="mailto:Kenny.cheung@desano.com">Kenny.cheung@desano.com</a></p>	350	9125 Hunan Road Nanhui Shanghai 201300 P. R. China	WHO/ US	USP	30,000	Yes

**Table 19: Tenofovir**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Cipla Ltd.</b> Mumbai Central Mumbai 400 008 India Tel: +91 22 2308 2891 +91 22 2309 5521	630	Plot D7 MIDC Kurkumbh Taluka Daund District Pune India	USFDA, TGA, WHO-Geneva	USP, EP, IP		Yes
<b>Hetero Drugs Limited</b> Dr. B.P.S Reddy M/s. 7-2-A2, Hetero Corporate, Industrial Estates, Sanath Nagar, Hyderabad, India-500082 Email: <a href="mailto:bpsreddy@heterodrugs.com">bpsreddy@heterodrugs.com</a> <a href="http://www.heterodrugs.com">www.heterodrugs.com</a> Tel: +91-40-23704923/24/25 Fax: +91-40- 23704926/23714250	650	Hetero Labs Limited, Kazipally, Hyperabad	EU GMP	In-House	60,000	Yes
<b>Lonzeal Pharmaceuticals Co., Ltd</b> No. 16 West Ring Road, Shenze, Shijazhuang City, Hebei Province 052560 China	500	No. 16 West Ring Road, Shenze, Shijiazhuang City, Hebei Province 052560 China	N/A	Ph.Int.	100,000	Available on Sept. 2011

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Matrix Laboratories Ltd.</b> Unit 8 - G.chodavaram village, Pusapatirega (M) Vizianagaram District, Andhra Pradesh, India Tel: 0091-08458-277248 Fax: 0091-08458-277211</p>	725	<p><b>Unit VIII</b> G. Chodavaram Poosapatirega Mandal Vizianagaram District 535 204 Andhra Pradesh India</p>	USFDA and India	in House	72,000	Yes
<p><b>Shanghai Desano Chemical Pharmaceutical Co., Ltd.</b> Mr. Kenny Cheung No.1479 Zhangheng Road, Zhangjiang High-tech Park, Shanghai 201203, China Tel: +86-21-5132 3300 Fax: +86-21-5132 3311 Email: <a href="mailto:info@desano.com">info@desano.com</a> <a href="http://www.desano.com">www.desano.com</a> <a href="mailto:Kenny.cheung@desano.com">Kenny.cheung@desano.com</a></p>	750	<p>9125 Hunan Road Nanhui Shanghai 201 300 P. R. China</p>	-	-	Campaign	Yes
<p><b>Aurobindo Pharma Ltd</b> Mr Nithyananda Reddy, MD Plot No. 2, Maitrivihar, Ameerpet Hyderabad, India</p>	550	<p><b>Unit - XI</b> Survey N° 61 – 66; IDA Pydibhimavaram Ranasthali Man- dal Srikakulam District 532 409 Andhra Pradesh - India</p>	India, USFDA	In-House	80,000	Yes

**Table 20: Tipranavir**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Boehringer Ingelheim Pharma GmbH &amp; Co</b> Corporate Division Communications Binger Strasse 173 55216 Ingelheim am Rhein Phone +49 / 6132 / 77 0 Fax +49 / 6132 / 72 0</p>		<p>Boehringer Ingelheim Pharma GmbH &amp; Co. KG, Binger Strasse 173, 55216 Ingelheim am Rhein, Germany</p>	<p>GMP compliance has been certified by the competent authority of Rheinland-Pfalz, Germany "Landesamt für Jugend, Soziales und Versorgung". Successful confirmation of the GMP status by FDA (USA), KFDA (South Korea), MOH Turkey (Turkey), ANVISA (Brazil), NAFDAC (Nigeria) and Uganda due to cGMP inspections</p>			<p>No</p>

**Table 21: Zidovudine**

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Anhui Biochem United Pharmaceutical Co., Ltd</b> No. 108 Shahe Road, Taihe, China <a href="mailto:zxl@bcpharm.com">zxl@bcpharm.com</a></p>	260	Taihe	Under preparing	USP	30,000	Under preparation
<p><b>Aurobindo Pharma Ltd</b> Mr Nithyananda Reddy, MD Plot No. 2, Maitrivihar, Ameerpet Hyderabad, India</p>	320	<p><b>Unit - VIII</b> Survey N° 13 Gaddapotharam (Village) IDA Kazipally Jinnaram (Mandal) Medak District 502 319 Andhra Pradesh India</p> <p><b>Unit - XI</b> Survey N° 61 – 66; IDA Pydibhimavaram Ranasthali Mandal Srikakulam District 532 409 Andhra Pradesh - India</p>	India, USFDA	USP	120,000	Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Cipla Ltd.</b> Mumbai Central Mumbai 400 008 India Tel: +91 22 2308 2891 +91 22 2309 5521</p>	425	Virgonagar Old Madras Road Bangalore 560 049 India	USFDA, TGA, WHO-Geneva	USP, EP, IP		Yes
<p><b>Hetero Drugs Limited</b> Dr. B.P.S Reddy M/s. 7-2-A2, Hetero Corporate, Industrial Estates, Sanath Nagar, Hyderabad, India-500082 Email: <a href="mailto:bpsreddy@heterodrugs.com">bpsreddy@heterodrugs.com</a> <a href="http://www.heterodrugs.com">www.heterodrugs.com</a> Tel: +91-40-23704923/24/25 Fax: +91-40-23704926/23714250</p>	315	Hetero Labs Limited, Kazipally, Hyperabad	WHO(Local) GMP/ EU GMP	USP/EP	120,000	Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<b>Matrix Laboratories Ltd.</b> 1-1-151/1 Sairam Towers, Alexander Road, Secunderabad - 500 003, India Phone: +91 40 5537 7427 Mobile: +91 98481 13220 Fax: +91 40 5533 6401 Email: <a href="mailto:narayanan.s@matrixlabsindia.com">narayanan.s@matrixlabsindia.com</a>	340	<b>Unit II (Astrix)</b> Survey N° 10 Gaddapotharam Kazipally, Medak District 502 319 Andhra Pradesh India	USFDA/WHO/India	USP	30,000	Yes
		<b>Unit VIII</b> G. Chodavaram Poosapatirega Mandal Vizianagaram District 535 204 Andhra Pradesh India	USFDA/WHO/India	USP	20,000	Yes
		<b>Smruti (CMU)</b>	WHO/India	USP	42,000	Yes
		<b>Mchem</b>	Filed for WHO	USP	72,000	Filed
<b>Samchully Pharm Ltd</b> Sam Kim 8F Samtan Bldg. 947-7 Daechi-dong Gangnam-gu, Seoul, Korea 135-735 Tel: +82-(0)2-527-6328 +82-(0)2-527-6300 Fax: +82-(0)2-561-6006 Email: <a href="mailto:chem@samchullypharm.com">chem@samchullypharm.com</a> <a href="http://www.scp.co.kr">http://www.scp.co.kr</a>	480	Siheung-ST	Korea, US, EU, Japan, Australia, India processing	USP/EP	90,000	Yes

Manufacturer and Address	API Quoted Price \$/kg	Address of Production Facility	Regulatory authorities that certified GMP compliance	Pharmacopoeia Standard	Production capacity (kg)/year	DMF Available (Yes/No)
<p><b>Shanghai Desano Chemical Pharmaceutical Co., Ltd.</b>            Mr. Kenny Cheung            No.1479 Zhangheng Road,            Zhangjiang High-tech Park,            Shanghai 201203, China            Tel: +86-21-5132 3300            Fax: +86-21-5132 3311            Email: <a href="mailto:info@desano.com">info@desano.com</a>  <a href="http://www.desano.com">www.desano.com</a>  <a href="mailto:Kenny.cheung@desano.com">Kenny.cheung@desano.com</a></p>	330	Shanghai	WHO/ US	USP	200,000	Yes

**Manufacturers that participated in this survey in alphabetical order**

**Abbot Laboratories**

**Anhui Biochem United Pharmaceutical Co., Ltd**

**Astrix Laboratories Limited**

**Aurobindo Pharma Ltd**

**Boehringer Ingelheim Pharma GmbH & Co**

**Cilag AG**

**Cipla, Cipla Ltd.**

**Emcure Pharmaceuticals Ltd.**

**Glaxo Wellcome Manufacturing Pte Ltd**

**Hetero Drugs Ltd.**

**Hetero Labs Ltd Survey**

**Janssen Pharmaceutica**

**Lonzeal Pharmaceuticals Co., Ltd**

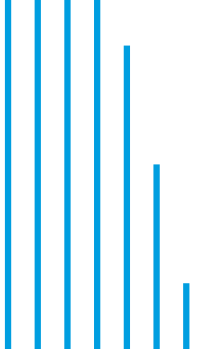
**Matrix Laboratories Ltd**

**Samchully Pharm Ltd**

**Shandong Xinhua Pharmaceutical Co., Ltd**

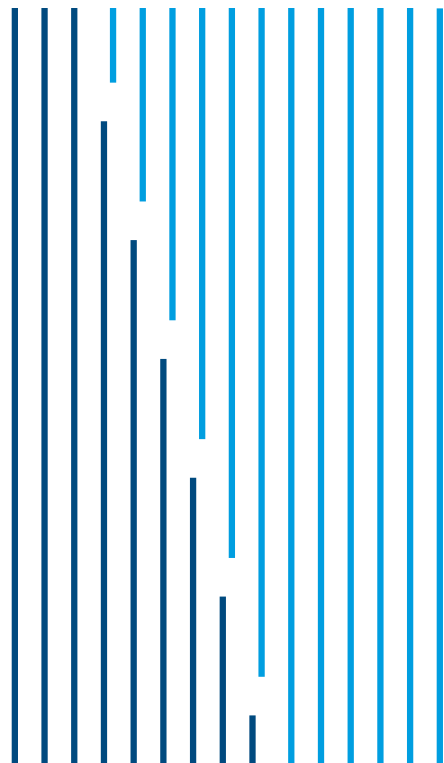
**Shanghai Desano Chemical Pharmaceutical Co., Ltd.**

**Zhejiang Huahai Pharmaceutical Co.,Ltd**



**Sources, quality  
and prices of active  
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ingredients of  
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Results of a 2010 WHO  
survey.



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