

# **Annexes<sup>\*</sup>**

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<sup>\*</sup>The annexes are not included in the printed version of the present report but they are available in the CD-ROM version and in the version on the website of the International Narcotics Control Board ([www.incb.org](http://www.incb.org)).



## Annex I

### Parties and non-parties to the 1988 Convention, by region, as at 1 November 2014

*Note:* The date on which the instrument of ratification or accession was deposited is indicated in parentheses.

<i>Region</i>	<i>Party to the 1988 Convention</i>		<i>Non-party to the 1988 Convention</i>
<b>Africa</b>	Algeria (9 May 1995)	Eritrea (30 January 2002)	Equatorial Guinea
			Somalia
	Angola (26 October 2005)	Ethiopia (11 October 1994)	South Sudan
	Benin (23 May 1997)	Gabon (10 July 2006)	
	Botswana (13 August 1996)	Gambia (23 April 1996)	
	Burkina Faso (2 June 1992)	Ghana (10 April 1990)	
	Burundi (18 February 1993)	Guinea (27 December 1990)	
	Cabo Verde (8 May 1995)	Guinea-Bissau (27 October 1995)	
	Cameroon (28 October 1991)	Kenya (19 October 1992)	
	Central African Republic (15 October 2001)	Lesotho (28 March 1995)	
	Chad (9 June 1995)	Liberia (16 September 2005)	
	Comoros (1 March 2000)	Libya (22 July 1996)	
	Congo (3 March 2004)	Madagascar (12 March 1991)	
	Côte d'Ivoire (25 November 1991)	Malawi (12 October 1995)	
	Democratic Republic of the Congo (28 October 2005)	Mali (31 October 1995)	
	Djibouti (22 February 2001)	Mauritania (1 July 1993)	
	Egypt (15 March 1991)	Mauritius (6 March 2001)	

<i>Region</i>	<i>Party to the 1988 Convention</i>	<i>Non-party to the 1988 Convention</i>
	Morocco (28 October 1992)	South Africa (14 December 1998)
	Mozambique (8 June 1998)	Sudan (19 November 1993)
	Namibia (6 March 2009)	Swaziland (8 October 1995)
	Niger (10 November 1992)	Togo (1 August 1990)
	Nigeria (1 November 1989)	Tunisia (20 September 1990)
	Rwanda (13 May 2002)	Uganda (20 August 1990)
	Sao Tome and Principe (20 June 1996)	United Republic of Tanzania (17 April 1996)
	Senegal (27 November 1989)	Zambia (28 May 1993)
	Seychelles (27 February 1992)	Zimbabwe (30 July 1993)
	Sierra Leone (6 June 1994)	
<i>Regional total</i>		
<b>54</b>	<b>51</b>	<b>3</b>
<b>Americas</b>	Antigua and Barbuda (5 April 1993)	Chile (13 March 1990)
	Argentina (10 June 1993)	Colombia (10 June 1994)
	Bahamas (30 January 1989)	Costa Rica (8 February 1991)
	Barbados (15 October 1992)	Cuba (12 June 1996)
	Belize (24 July 1996)	Dominica (30 June 1993)
	Bolivia (Plurinational State of) (20 August 1990)	Dominican Republic (21 September 1993)
	Brazil (17 July 1991)	Ecuador (23 March 1990)
	Canada (5 July 1990)	El Salvador (21 May 1993)

<i>Region</i>	<i>Party to the 1988 Convention</i>	<i>Non-party to the 1988 Convention</i>
	Grenada (10 December 1990)	Peru (16 January 1992)
	Guatemala (28 February 1991)	Saint Kitts and Nevis (19 April 1995)
	Guyana (19 March 1993)	Saint Lucia (21 August 1995)
	Haiti (18 September 1995)	Saint Vincent and the Grenadines (17 May 1994)
	Honduras (11 December 1991)	Suriname (28 October 1992)
	Jamaica (29 December 1995)	Trinidad and Tobago (17 February 1995)
	Mexico (11 April 1990)	United States of America (20 February 1990)
	Nicaragua (4 May 1990)	Uruguay (10 March 1995)
	Panama (13 January 1994)	Venezuela (Bolivarian Republic of) (16 July 1991)
	Paraguay (23 August 1990)	
<i>Regional total</i>	<b>35</b>	<b>0</b>
<b>Asia</b>	Afghanistan (14 February 1992)	China (25 October 1989)
	Armenia (13 September 1993)	Democratic People's Republic of Korea (19 March 2007)
	Azerbaijan (22 September 1993)	Georgia (8 January 1998)
	Bahrain (7 February 1990)	India (27 March 1990)
	Bangladesh (11 October 1990)	Indonesia (23 February 1999)
	Bhutan (27 August 1990)	Iran (Islamic Republic of) (7 December 1992)
	Brunei Darussalam (12 November 1993)	Iraq (22 July 1998)
	Cambodia (2 April 2005)	Israel (20 March 2002)

<i>Region</i>	<i>Party to the 1988 Convention</i>	<i>Non-party to the 1988 Convention</i>
	Japan (12 June 1992)	Qatar (4 May 1990)
	Jordan (16 April 1990)	Republic of Korea (28 December 1998)
	Kazakhstan (29 April 1997)	Saudi Arabia (9 January 1992)
	Kuwait (3 November 2000)	Singapore (23 October 1997)
	Kyrgyzstan (7 October 1994)	Sri Lanka (6 June 1991)
	Lao People's Democratic Republic (1 October 2004)	Syrian Arab Republic (3 September 1991)
	Lebanon (11 March 1996)	Tajikistan (6 May 1996)
	Malaysia (11 May 1993)	Thailand (3 May 2002)
	Maldives (7 September 2000)	Timor-Leste (3 June 2014)
	Mongolia (25 June 2003)	Turkey (2 April 1996)
	Myanmar (11 June 1991)	Turkmenistan (21 February 1996)
	Nepal (24 July 1991)	United Arab Emirates (12 April 1990)
	Oman (15 March 1991)	Uzbekistan (24 August 1995)
	Pakistan (25 October 1991)	Viet Nam (4 November 1997)
	Philippines (7 June 1996)	Yemen (25 March 1996)
<hr/>		
<i>Regional total</i>		
<b>47</b>	<b>46</b>	<b>1</b>
<hr/>		
<b>Europe</b>	Albania (27 July 2001)	Belgium <sup>a</sup> (25 October 1995)
	Andorra (23 July 1999)	Bosnia and Herzegovina (1 September 1993)
	Austria <sup>a</sup> (11 July 1997)	Bulgaria <sup>a</sup> (24 September 1992)
	Belarus (15 October 1990)	Croatia <sup>a</sup> (26 July 1993)

<i>Region</i>	<i>Party to the 1988 Convention</i>	<i>Non-party to the 1988 Convention</i>
	Cyprus <sup>a</sup> (25 May 1990)	Monaco (23 April 1991)
	Czech Republic <sup>b</sup> (30 December 1993)	Montenegro (3 June 2006)
	Denmark <sup>a</sup> (19 December 1991)	Netherlands <sup>a</sup> (8 September 1993)
	Estonia <sup>a</sup> (12 July 2000)	Norway (14 November 1994)
	Finland <sup>a</sup> (15 February 1994)	Poland <sup>a</sup> (26 May 1994)
	France <sup>a</sup> (31 December 1990)	Portugal <sup>a</sup> (3 December 1991)
	Germany <sup>a</sup> (30 November 1993)	Republic of Moldova (15 February 1995)
	Greece <sup>a</sup> (28 January 1992)	Romania <sup>a</sup> (21 January 1993)
	Holy See (25 January 2012)	Russian Federation (17 December 1990)
	Hungary <sup>a</sup> (15 November 1996)	San Marino (10 October 2000)
	Iceland (2 September 1997)	Serbia (3 January 1991)
	Ireland <sup>a</sup> (3 September 1996)	Slovakia <sup>b</sup> (28 May 1993)
	Italy <sup>a</sup> (31 December 1990)	Slovenia <sup>a</sup> (6 July 1992)
	Latvia <sup>a</sup> (25 February 1994)	Spain <sup>a</sup> (13 August 1990)
	Liechtenstein (9 March 2007)	Sweden <sup>a</sup> (22 July 1991)
	Lithuania <sup>a</sup> (8 June 1998)	Switzerland (14 September 2005)
	Luxembourg <sup>a</sup> (29 April 1992)	The former Yugoslav Republic of Macedonia (13 October 1993)
	Malta <sup>a</sup> (28 February 1996)	Ukraine (28 August 1991)

## PRECURSORS

<i>Region</i>	<i>Party to the 1988 Convention</i>		<i>Non-party to the 1988 Convention</i>
	United Kingdom of Great Britain and Northern Ireland <sup>a</sup> (28 June 1991)	European Union <sup>b</sup> (31 December 1990)	
<i>Regional total</i>	<b>46</b>	<b>46</b>	<b>0</b>
<b>Oceania</b>	Australia (16 November 1992)	New Zealand (16 December 1998)	Kiribati
	Cook Islands (22 February 2005)	Niue (16 July 2012)	Palau
	Fiji (25 March 1993)	Samoa (19 August 2005)	Papua New Guinea
	Marshall Islands (5 November 2010)	Tonga (29 April 1996)	Solomon Islands
	Micronesia (Federated States of) (6 July 2004)	Vanuatu (26 January 2006)	Tuvalu
	Nauru (12 July 2012)		
<i>Regional total</i>	<b>16</b>	<b>11</b>	<b>5</b>
<i>World total</i>	<b>198</b>	<b>189</b>	<b>9</b>

<sup>a</sup> State member of the European Union.

<sup>b</sup> Extent of competence: article 12.



## Annex II

### **Annual legitimate requirements for ephedrine, pseudoephedrine, 3,4-methylenedioxyphenyl-2-propanone and 1-phenyl-2-propanone, substances frequently used in the manufacture of amphetamine-type stimulants**

1. In its resolution 49/3, entitled “Strengthening systems for the control of precursor chemicals used in the manufacture of synthetic drugs”, the Commission on Narcotic Drugs:

(a) Requested Member States to provide to the International Narcotics Control Board annual estimates of their legitimate requirements for 3,4-methylenedioxyphenyl-2-propanone (3,4-MDP-2-P), pseudoephedrine, ephedrine and 1-phenyl-2-propanone (P-2-P) and, to the extent possible, estimated requirements for imports of preparations containing those substances that could be easily used or recovered by readily applicable means;

(b) Requested the Board to provide those estimates to Member States in such a manner as to ensure that such information was used only for drug control purposes;

(c) Invited Member States to report to the Board on the feasibility and usefulness of preparing, reporting and using estimates of legitimate requirements for the precursor chemicals and preparations referred to above in preventing diversion.

2. Pursuant to that resolution, the Board formally invited Governments to prepare estimates of their legitimate requirements for those substances. Those estimates, as reported by Governments, were published, for the first time, in March 2007.

3. The table below reflects the latest data reported by Governments on those four precursor chemicals (and their preparations, as relevant). It is expected that those data will provide the competent authorities of exporting countries with at least an indication of the legitimate requirements of importing countries, thus preventing diversion attempts. Governments are invited to review their requirements as published, amend them as necessary and inform the Board of any required change. The data are current as at 1 November 2014; for updates, see [www.incb.org/documents/PRECURSORS/ANNUAL-LICIT-REQUIREMENTS/INCB\\_ALR\\_WEB.pdf](http://www.incb.org/documents/PRECURSORS/ANNUAL-LICIT-REQUIREMENTS/INCB_ALR_WEB.pdf).

**Annual legitimate requirements as reported by Governments for imports of ephedrine, pseudoephedrine, 3,4-methylenedioxyphenyl-2-propanone, 1-phenyl-2-propanone and their preparations, as at 1 November 2014**  
(Kilograms)

<i>Country or territory</i>	<i>Ephedrine</i>	<i>Ephedrine preparations</i>	<i>Pseudoephedrine</i>	<i>Pseudoephedrine preparations</i>	<i>3,4-MDP-2-P<sup>a</sup></i>	<i>P-2-P<sup>b</sup></i>
Afghanistan	50	0	3 000	0	0	0
Albania	3	0	0	0	0	0
Algeria	1		17 000		0	0
Argentina	27		13 329		0	0
Armenia	0	0	0	0	0	0
Ascension Island	0	0	0	0	0	0
Australia	3	13	6 110	1 720	0	1
Austria	105	15	1	1	0	1
Azerbaijan	20		10		0	0
Bahrain	0	0			0	
Bangladesh	200		49 021	0	0 <sup>i</sup>	
Barbados	200		200	58	0 <sup>i</sup>	
Belarus	0	25	25	20	0	0
Belgium	300	200	9 000	8 000	5	5
Belize			P	P	0 <sup>i</sup>	
Benin	2		8	10	0 <sup>i</sup>	
Bhutan	0	0	0	0	0	0
Bolivia (Plurinational State of)	41	1	1 066	1 373	0	0
Bosnia and Herzegovina	8	2	1 000	845	0	0
Botswana	300				0 <sup>i</sup>	
Brazil	900 <sup>c</sup>		18 000 <sup>c</sup>		0	1
Brunei Darussalam	0	2	0	158	0	0
Bulgaria	200	400	25	0	0	0
Cambodia	200	50	300	900	0 <sup>i</sup>	
Cameroon	25				0 <sup>i</sup>	
Canada	1 330	5	27 900		0	1
Chile	94	200	8 424	950	0	0
China	60 000		200 000		0 <sup>i</sup>	
<i>Hong Kong SAR of China</i>	3 050	0	8 255	0	0	0
<i>Macao SAR of China</i>	1	10	1	159	0	0
<i>Christmas Island</i>	0	0	0	1	0	0
<i>Cocos (Keeling) Islands</i>	0	0	0	0	0	0
Colombia	0 <sup>d</sup>	1 802 <sup>e</sup>	1 858 <sup>d</sup>	P	0	0
Cook Islands	0	0	0	1	0	0
Costa Rica	0	0	523	39	0	0
Côte d'Ivoire	30	1	25	500	0	0
Croatia	30	0	0	0	0	0
Cuba	200			6	0 <sup>i</sup>	

<i>Country or territory</i>	<i>Ephedrine</i>	<i>Ephedrine preparations</i>	<i>Pseudoephedrine</i>	<i>Pseudoephedrine preparations</i>	<i>3,4-MDP-2-P<sup>a</sup></i>	<i>P-2-P<sup>b</sup></i>
<i>Curaçao</i>	0		0		0	0
Cyprus		0	550		0 <sup>i</sup>	
Czech Republic	600	8	1 200	600	0	1
Democratic People's Republic of Korea	300	1 200	0	0	5	0
Democratic Republic of the Congo	300	10	720	900	0 <sup>i</sup>	
Denmark					0	0
Dominican Republic	75	5	200	250	0	0
Ecuador	20	6	900	2 500	0	0
Egypt	4 000	0	50 000	2 500	0	0
El Salvador	P(6) <sup>f</sup>	P(0) <sup>f</sup>	P	P	0	0
Eritrea	0	0	0	0	0	0
Estonia	5	5	0	350	0 <sup>i</sup>	0
<i>Falkland Islands (Malvinas)</i>		1		1	0 <sup>i</sup>	
<i>Faroe Islands</i>	0	0	0	0	0	0
Finland	6	70	0	600	0 <sup>i</sup>	0
France	2 000	10	20 000	500	0	0
Gambia	0	0	0	0	0	0
Georgia	10	25	2	15	0 <sup>i</sup>	
Germany	1 000		8 000		1	8
Ghana	4 800	300	3 200	200	0	0
Greece	1 000		1 000		0	0
<i>Greenland</i>	0	0	0	0	0	0
Guatemala	0		P	P	0	0
Guinea	36				0 <sup>i</sup>	
Guinea-Bissau	0	0	0	0	0	0
Guyana	120	50	120	30	0	0
Haiti	200	1	350		0	0
Honduras	P	P(1) <sup>e</sup>	P	P	0	0
Hungary	650		1		0	1 800
Iceland	1		0	0	0 <sup>i</sup>	
India	2 200	112 729	333 585	1 092	0	0
Indonesia	10 000		52 000	805	0 <sup>i</sup>	0
Iran (Islamic Republic of)	50	1	55 000	10	6	51
Iraq	3 000	100	14 000	10 000	0	P <sup>h</sup>
Ireland	1	1	1	585	0	0
Israel	1	30	16	1 971	0 <sup>i</sup>	
Italy	1 000	0	7 500	18 000	0	600
Jamaica	50	150	400	300	0	0
Japan	1 000		12 000		0 <sup>i</sup>	
Jordan	50		15 000		0 <sup>i</sup>	P
Kazakhstan	0		0		0	0
Kenya	2 500		3 000		0 <sup>i</sup>	

# PRECURSORS

<i>Country or territory</i>	<i>Ephedrine</i>	<i>Ephedrine preparations</i>	<i>Pseudoephedrine</i>	<i>Pseudoephedrine preparations</i>	<i>3,4-MDP-2-P<sup>a</sup></i>	<i>P-2-P<sup>b</sup></i>
Kyrgyzstan	0	0	0	100	0	0
Lao People's Democratic Republic	0	0	1 000	130	0	0
Latvia	25	27	41	383	0	0
Lebanon	26	5	240	700	0	0
Lithuania	1	1	0	600	1	0
Luxembourg	1	0	0	0	0	0
Madagascar	702	180	150		0 <sup>i</sup>	
Malawi	1 000				0 <sup>i</sup>	
Malaysia	40	25	5 001	3 500	0	2
Maldives	0	0	0	0	0	0
Malta		220	220		0	0
Mauritius	0	0	0	0	0	0
Mexico	P(500) <sup>f</sup>	P <sup>f</sup>	P	P	0	0
Monaco	0	0	0	0	0	0
Mongolia	3				0 <sup>i</sup>	
Montenegro	0	1	0	80	0	0
<i>Montserrat</i>	0	1	0	1	0	0
Morocco	41	0	2 179	0	0	0
Mozambique	3				0 <sup>i</sup>	
Myanmar	2	0	0	0	0	0
Namibia	0	0	0	0	0	0
Nepal		1	6 500		0 <sup>i</sup>	
Netherlands	200	0		0	0	0
New Zealand	50	0	800		0	3
Nicaragua	P <sup>g</sup>	P <sup>g</sup>	P	P	0 <sup>i</sup>	
Nigeria	9 650	500	5 823	15 000	0	0
<i>Norfolk Island</i>	0	0	0	0	0	0
Norway	225	0	1	0	0	0
Pakistan	3 300		29 500	500	0 <sup>i</sup>	
Panama	5	2	400	650	0 <sup>i</sup>	
Papua New Guinea	1		200		0	0
Paraguay	0	0	2 500	0	0	0
Peru	54		2 524	1 078	0 <sup>i</sup>	
Philippines	120	0	120	0	0	0
Poland	110	0	4 150	0	1	5
Portugal			15		0 <sup>i</sup>	
Qatar	0	0	0	80	0	0
Republic of Korea	23 316		62 901		1	1
Republic of Moldova	0	450	0	450	0	0
Romania	192		6 600		0	0
Russian Federation	1 500				0 <sup>i</sup>	
<i>Saint Helena</i>	0	1	0	1	0	0

<i>Country or territory</i>	<i>Ephedrine</i>	<i>Ephedrine preparations</i>	<i>Pseudoephedrine</i>	<i>Pseudoephedrine preparations</i>	<i>3,4-MDP-2-P<sup>a</sup></i>	<i>P-2-P<sup>b</sup></i>
Saint Lucia	0	0	0	0	0	0
Saint Vincent and the Grenadines	0		0		0	0
Sao Tome and Principe	0	0	0	0	0	0
Saudi Arabia	1		18 485		0 <sup>i</sup>	0
Senegal	0	0	0	0	0	0
Serbia	25	0	1 265	0	0	1
Singapore	12 269	4	63 037	3 416	1	1
Slovakia	3	7	1	1	0	0
Slovenia	9		250		0	0
Solomon Islands	0	1	0	1	0	0
South Africa	13 900	0	10 444	10 816	0	0
Spain	186		8 474		0	98
Sri Lanka		0		0	0	0
Sweden	188	170	1	30	1	13
Switzerland	3 300		85 000		1	700
Syrian Arab Republic	1 000		50 000		0 <sup>i</sup>	
Tajikistan	38				0 <sup>i</sup>	
Thailand	53	0	101	0	0 <sup>i</sup>	0
Trinidad and Tobago					0 <sup>i</sup>	0
<i>Tristan da Cunha</i>	0	0	0	0	0	0
Tunisia	1	25	4 000	0	0	0
Turkey	374	0	25 357	4 942	1	1
Turkmenistan	0	0	0	0	0	0
Uganda	150	35	2 500	400	0	0
Ukraine	235	109	0	1 408	0	0
United Arab Emirates	0		3 000	2 499	0	0
United Kingdom	64 448	1 011	25 460	1 683	8	1
United Republic of Tanzania	100	100	2 000	100	0 <sup>i</sup>	
United States of America	19 300		246 000		0	64 294
Uruguay	6	0	0	1	0	0
Uzbekistan	1		15		0 <sup>i</sup>	
Venezuela (Bolivarian Republic of)	80		3 000		0 <sup>i</sup>	
Yemen	75	75	3 000	2 000	0 <sup>i</sup>	
Zambia	50	25	50	100	0 <sup>i</sup>	
Zimbabwe	150	150	150	50	1 000	1 000

*Notes:* The names of territories, departments and special administrative regions are in italics.

A blank field signifies that no requirement was indicated or that data were not submitted for the substance in question.

A zero (0) signifies that the country or territory currently has no licit requirement for the substance.

The letter “P” signifies that importation of the substance is prohibited.

Reported quantities of less than 1 kg have been rounded up and are reflected as 1 kg.

<sup>a</sup> 3,4-Methylenedioxyphenyl-2-propanone.

<sup>b</sup> 1-Phenyl-2-propanone.

- <sup>c</sup> Including the licit requirements for pharmaceutical preparations containing the substance.
- <sup>d</sup> The required amount of ephedrine is to be used for the manufacture of injectable ephedrine sulphate solution. The required amount of pseudoephedrine is to be used exclusively for the manufacture of medicines for export.
- <sup>e</sup> In the form of injectable ephedrine sulfate solution.
- <sup>f</sup> Imports of the substance and preparations containing the substance are prohibited, with the exception of the imports of injectable ephedrine preparations and ephedrine as a prime raw material for the manufacture of such ephedrine preparations. Pre-export notification is required for each individual import.
- <sup>g</sup> Imports of the substance and preparations containing the substance are prohibited, with the exception of the imports of injectable ephedrine preparations and ephedrine as a prime raw material for the manufacture of such ephedrine preparations. Such export requires an import permit.
- <sup>h</sup> Including products containing P-2-P.
- <sup>i</sup> The Board is currently unaware of any legitimate need for the importation of this substance into the country.

## Annex III

### Substances in Tables I and II of the 1988 Convention

*Table I*

Acetic anhydride  
*N*-Acetylanthranilic acid  
 Ephedrine  
 Ergometrine  
 Ergotamine  
 Isosafrole  
 Lysergic acid  
 3,4-Methylenedioxyphenyl-2-propanone  
 Norephedrine  
 Phenylacetic acid<sup>b</sup>  
*alpha*-Phenylacetoacetonitrile (APAAN)<sup>c</sup>  
 1-Phenyl-2-propanone  
 Piperonal  
 Potassium permanganate  
 Pseudoephedrine  
 Safrole

The salts of the substances listed in this Table whenever the existence of such salts is possible.

*Table II*

Acetone  
 Anthranilic acid  
 Ethyl ether  
 Hydrochloric acid<sup>a</sup>  
 Methyl ethyl ketone  
 Piperidine  
 Sulphuric acid<sup>a</sup>  
 Toluene

The salts of the substances listed in this Table whenever the existence of such salts is possible.

<sup>a</sup> The salts of hydrochloric acid and sulphuric acid are specifically excluded from Table II.

<sup>b</sup> Transferred from Table II to Table I, effective 17 January 2011.

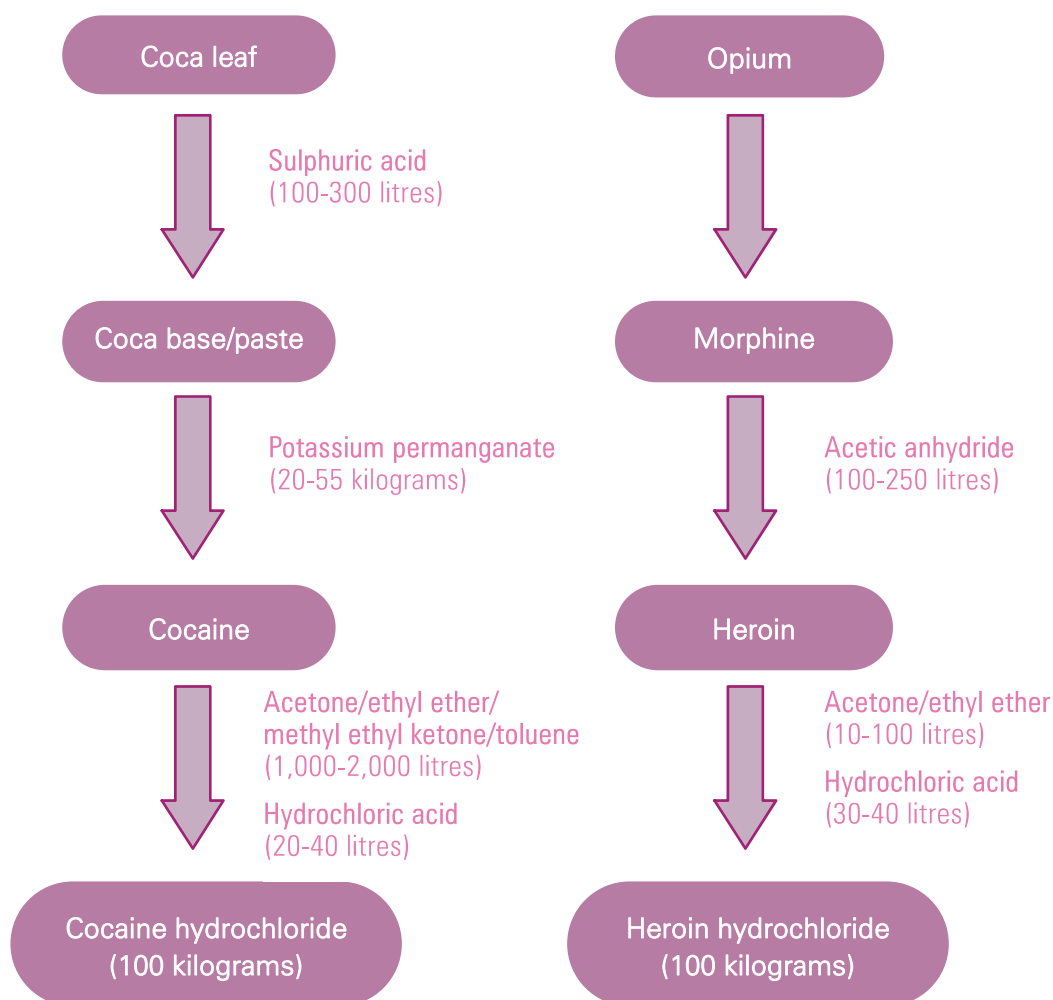
<sup>c</sup> Included in Table I, effective 9 October 2014.

## Annex IV

### Use of scheduled substances in the illicit manufacture of narcotic drugs and psychotropic substances

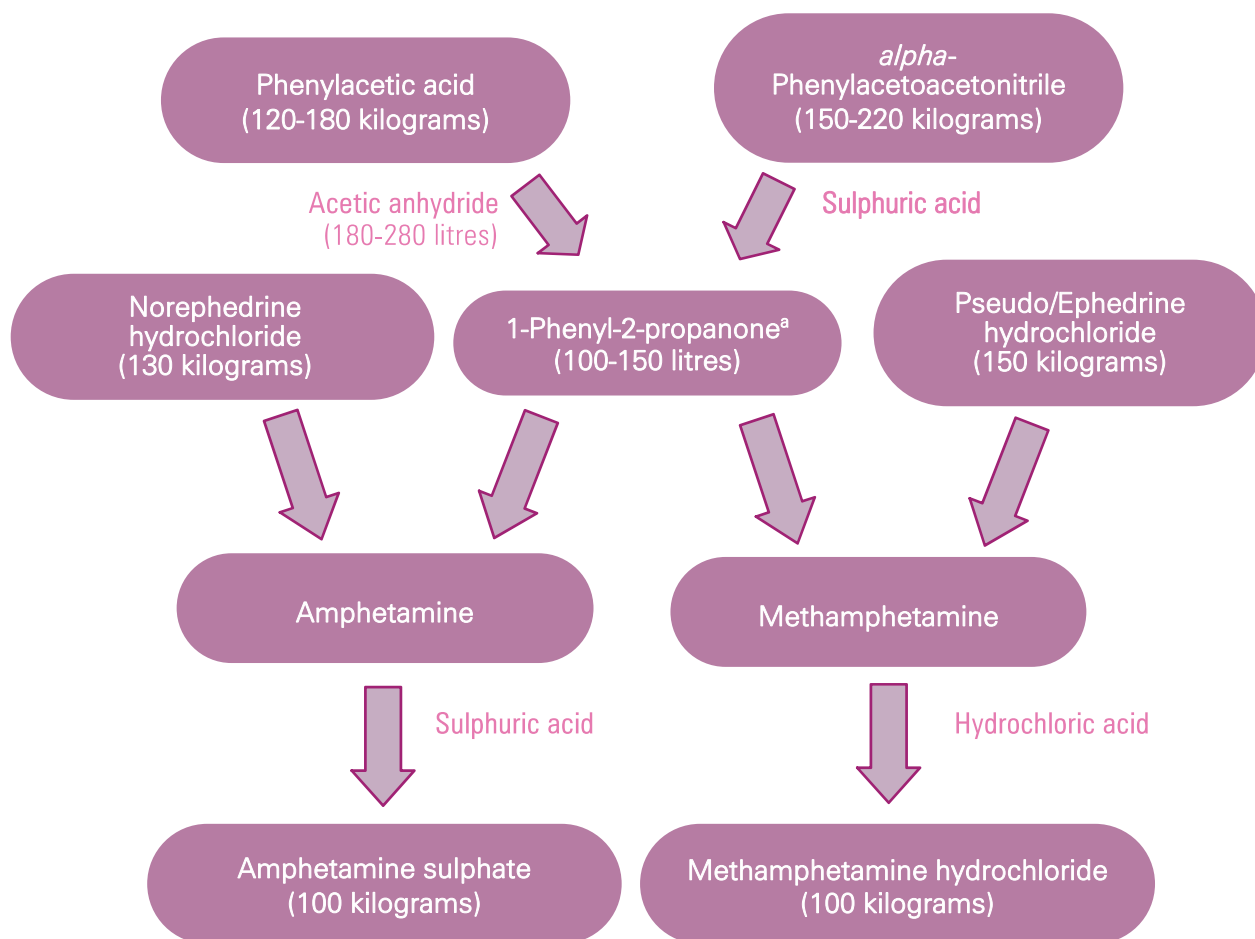
Figures A.I-A.IV below depict the use of scheduled substances in the illicit manufacture of narcotic drugs and psychotropic substances. The approximate quantities provided are based on common manufacturing methods. Other manufacturing methods using scheduled substances—or even non-scheduled substances instead of or in addition to scheduled substances—may also be encountered, depending on the geographical location.

**Figure A.I. Illicit manufacture of cocaine and heroin: scheduled substances and the approximate quantities thereof required for the illicit manufacture of 100 kilograms of cocaine or heroin hydrochloride**

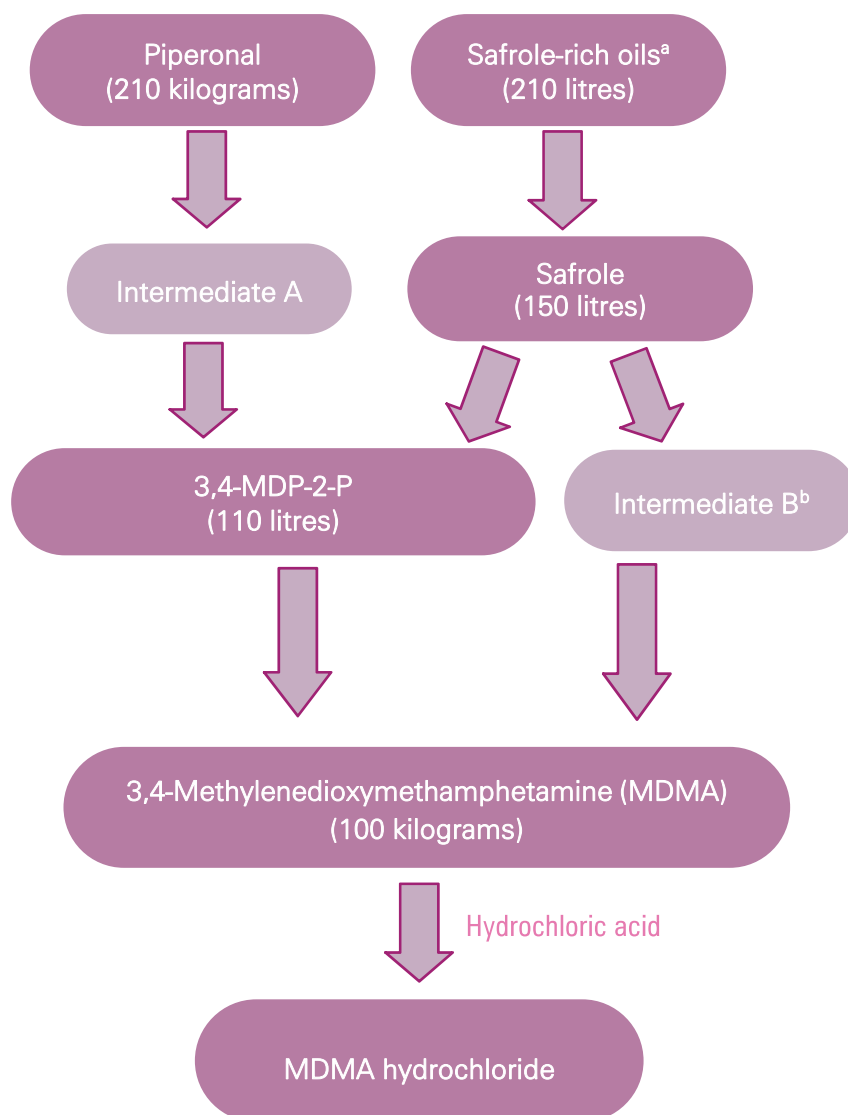


*Note:* The extraction of cocaine from coca leaf and the purification of coca paste and the crude base products of cocaine and heroin require solvents, acids and bases. A wide range of such chemicals have been used at all stages of drug manufacture.





**Figure A.III. Illicit manufacture of 3,4-methylenedioxymethamphetamine (MDMA) and related drugs: scheduled substances and the approximate quantities thereof required for the illicit manufacture of 100 kilograms of MDMA**

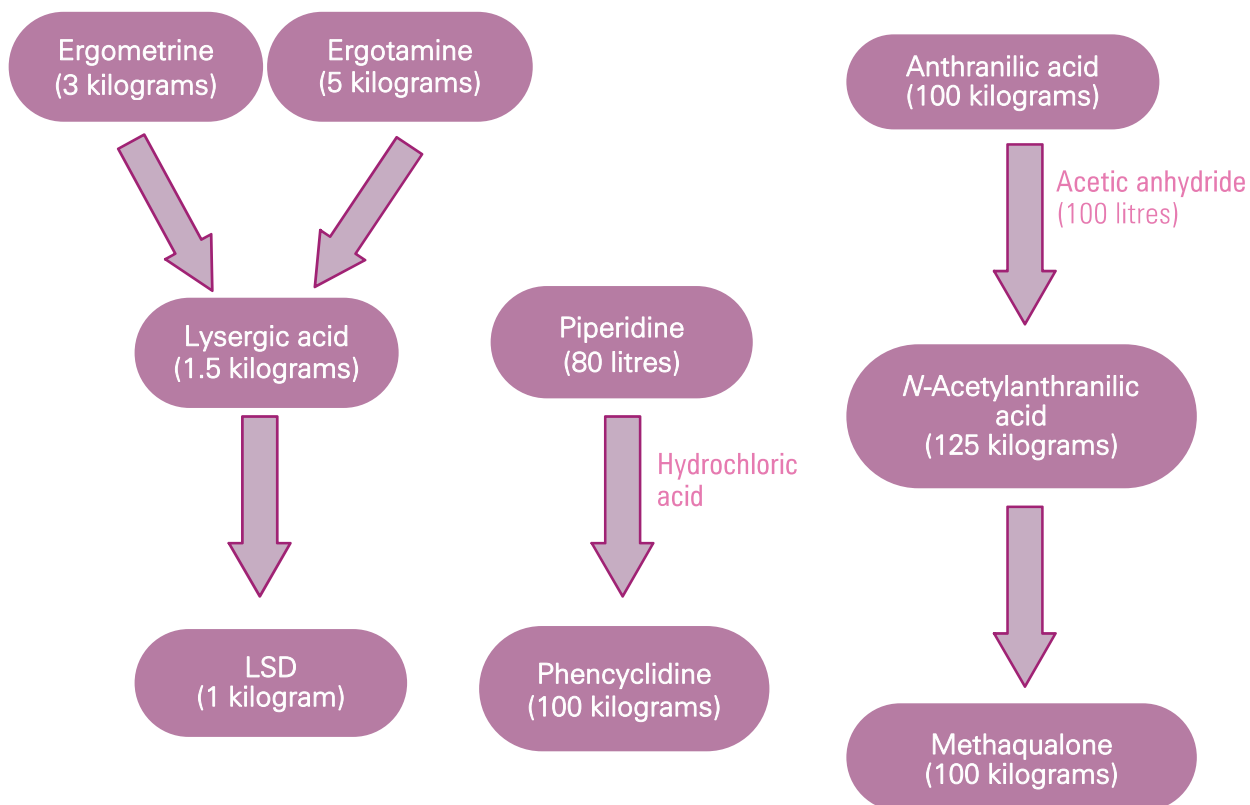


*Note:* Isosafrole, another precursor of MDMA under international control, is not included in this scheme, as it is not commonly encountered as a starting material; it is an intermediate in a modification of methods for manufacturing MDMA from safrole, requiring approximately 300 litres of safrole to manufacture 100 kilograms of MDMA.

<sup>a</sup> Assuming the safrole-rich oils have a safrole content of 75 per cent or higher.

<sup>b</sup> The manufacture of 100 kilograms of MDMA via intermediate B would require 200 litres of safrole.

**Figure A.IV. Illicit manufacture of lysergic acid diethylamide (LSD), methaqualone and phencyclidine: scheduled substances and the approximate quantities thereof required for the illicit manufacture of 1 kilogram of LSD and 100 kilograms of methaqualone and phencyclidine**



## Annex V

### **Treaty provisions for the control of substances frequently used in the illicit manufacture of narcotic drugs and psychotropic substances**

1. Article 2, paragraph 8, of the Single Convention on Narcotic Drugs of 1961 as amended by the 1972 Protocol<sup>a</sup> provides as follows:

The Parties shall use their best endeavours to apply to substances which do not fall under this Convention, but which may be used in the illicit manufacture of drugs, such measures of supervision as may be practicable.

2. Article 2, paragraph 9, of the Convention on Psychotropic Substances of 1971<sup>b</sup> provides as follows:

The Parties shall use their best endeavours to apply to substances which do not fall under this Convention, but which may be used in the illicit manufacture of psychotropic substances, such measures of supervision as may be practicable.

3. Article 12 of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances of 1988<sup>c</sup> contains provisions for the following:

(a) General obligation for parties to take measures to prevent diversion of the substances in Tables I and II of the 1988 Convention and to cooperate with each other to that end (para. 1);

(b) Mechanism for amending the scope of control (paras. 2-7);

(c) Requirement to take appropriate measures to monitor manufacture and distribution, to which end parties may control persons and enterprises, control establishments and premises under licence, require permits for such operations and prevent accumulation of substances in Tables I and II (para. 8);

(d) Obligation to monitor international trade in order to identify suspicious transactions, to provide for seizures, to notify the authorities of the parties concerned in case of suspicious transactions, to require proper labelling and documentation and to ensure maintenance of such documents for at least two years (para. 9);

(e) Mechanism for advance notice of exports of substances in Table I, upon request (para. 10);

(f) Confidentiality of information (para. 11);

(g) Reporting by parties to the International Narcotics Control Board (para. 12);

(h) Report of the Board to the Commission on Narcotic Drugs (para. 13);

(i) Non-applicability of the provisions of article 12 to certain preparations (para. 14).

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<sup>a</sup> United Nations, *Treaty Series*, vol. 976, No. 14152.

<sup>b</sup> *Ibid.*, vol. 1019, No. 14956.

<sup>c</sup> *Ibid.*, vol. 1582, No. 27627.

## Annex VI

### Regional groupings

Reference is made throughout the present report to various geographical regions, which are defined as follows:

**Africa:** Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cabo Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, Côte d'Ivoire, Democratic Republic of the Congo, Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Togo, Tunisia, Uganda, United Republic of Tanzania, Zambia and Zimbabwe;

**Central America and the Caribbean:** Antigua and Barbuda, Bahamas, Barbados, Belize, Costa Rica, Cuba, Dominica, Dominican Republic, El Salvador, Grenada, Guatemala, Haiti, Honduras, Jamaica, Nicaragua, Panama, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines and Trinidad and Tobago;

**North America:** Canada, Mexico and United States of America;

**South America:** Argentina, Bolivia (Plurinational State of), Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, Uruguay and Venezuela (Bolivarian Republic of);

**East and South-East Asia:** Brunei Darussalam, Cambodia, China, Democratic People's Republic of Korea, Indonesia, Japan, Lao People's Democratic Republic, Malaysia, Mongolia, Myanmar, Philippines, Republic of Korea, Singapore, Thailand, Timor-Leste and Viet Nam;

**South Asia:** Bangladesh, Bhutan, India, Maldives, Nepal and Sri Lanka;

**West Asia:** Afghanistan, Armenia, Azerbaijan, Bahrain, Georgia, Iran (Islamic Republic of), Iraq, Israel, Jordan, Kazakhstan, Kuwait, Kyrgyzstan, Lebanon, Oman, Pakistan, Qatar, Saudi Arabia, State of Palestine, Syrian Arab Republic, Tajikistan, Turkey, Turkmenistan, United Arab Emirates, Uzbekistan and Yemen;

**Eastern Europe:** Belarus, Republic of Moldova, Russian Federation and Ukraine;

**South-Eastern Europe:** Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Montenegro, Romania, Serbia and the former Yugoslav Republic of Macedonia;

**Western and Central Europe:** Andorra, Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Holy See, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Monaco, Netherlands, Norway, Poland, Portugal, San Marino, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom of Great Britain and Northern Ireland;

**Oceania:** Australia, Cook Islands, Fiji, Kiribati, Marshall Islands, Micronesia (Federated States of), Nauru, New Zealand, Niue, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu.

## Annex VII

### Submission of information by Governments pursuant to article 12 of the 1988 Convention (form D) for the years 2009-2013

*Notes:* The names of non-metropolitan territories and special administrative regions are in italics.

A blank signifies that form D was not received.

"X" signifies that a completed form D (or equivalent report) was submitted, including nil returns.

Entries for parties to the 1988 Convention (and for the years that they have been parties) are shaded.

<i>Country or territory</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>
Afghanistan	X	X	X	X	X
Albania	X	X	X	X	X
Algeria	X	X	X	X	X
Andorra	X	X	X	X	X
Angola					
<i>Anguilla<sup>a</sup></i>					X
Antigua and Barbuda					
Argentina	X	X	X	X	X
Armenia	X	X	X	X	X
<i>Aruba<sup>a</sup></i>					
<i>Ascension Island</i>	X	X	X	X	
Australia	X	X	X	X	X
Austria <sup>b</sup>	X	X	X	X	X
Azerbaijan	X	X	X	X	X
Bahamas					
Bahrain	X	X			
Bangladesh	X	X	X	X	X
Barbados					X
Belarus	X	X	X	X	X
Belgium <sup>b</sup>	X	X	X	X	X
Belize	X				X
Benin	X	X	X	X	
<i>Bermuda<sup>a</sup></i>					
Bhutan		X	X	X	
Bolivia (Plurinational State of)	X	X	X	X	X
Bosnia and Herzegovina	X	X	X	X	X
Botswana					
Brazil	X	X	X	X	X
<i>British Virgin Islands<sup>a</sup></i>					
Brunei Darussalam	X	X	X	X	X
Bulgaria	X	X	X	X	X
Burkina Faso			X		
Burundi					
Cabo Verde					
Cambodia	X	X	X	X	
Cameroon	X	X	X	X	
Canada	X	X	X	X	X
<i>Cayman Islands<sup>a</sup></i>				X	
Central African Republic	X				
Chad	X				X

<i>Country or territory</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>
Chile	X	X	X	X	X
China	X	X	X	X	X
<i>Hong Kong SAR of China</i>	X	X		X	X
<i>Macao SAR of China</i>	X	X		X	X
<i>Christmas Island<sup>a</sup></i>	X	X	X		X
<i>Cocos (Keeling) Islands<sup>a</sup></i>	X	X	X		X
Colombia	X	X	X	X	X
Comoros					
Congo					
Cook Islands		X	X		
Costa Rica	X	X	X	X	X
Côte d'Ivoire	X	X	X	X	X
Croatia <sup>b</sup>	X	X	X	X	X
Cuba	X	X	X		
<i>Curaçao<sup>c</sup></i>		X	X	X	X
Cyprus <sup>b</sup>	X	X	X	X	X
Czech Republic <sup>b</sup>	X	X	X	X	X
Democratic People's Republic of Korea	X	X	X	X	X
Democratic Republic of the Congo	X	X	X	X	X
Denmark <sup>b</sup>	X	X	X	X	X
Djibouti					
Dominica					
Dominican Republic	X	X			X
Ecuador	X	X	X	X	X
Egypt	X	X	X	X	X
El Salvador	X	X	X	X	X
Equatorial Guinea					
Eritrea	X	X	X	X	
Estonia <sup>b</sup>	X	X	X	X	X
Ethiopia	X		X	X	X
<i>Falkland Islands (Malvinas)</i>	X	X	X	X	X
Fiji			X		
Finland <sup>b</sup>	X	X	X	X	X
France <sup>b</sup>	X	X	X	X	X
<i>French Polynesia<sup>a</sup></i>					
Gabon					
Gambia		X	X		X
Georgia	X	X	X	X	X
Germany <sup>b</sup>	X	X	X	X	X
Ghana	X	X	X	X	X
<i>Gibraltar</i>					
Greece <sup>b</sup>	X	X	X	X	X
Grenada					
Guatemala	X	X	X	X	X
Guinea					
Guinea-Bissau				X	
Guyana	X	X			
Haiti	X	X	X		X
Holy See					
Honduras			X	X	X

# PRECURSORS

Country or territory	2009	2010	2011	2012	2013
Hungary <sup>b</sup>	X	X	X	X	X
Iceland	X	X	X	X	X
India	X	X	X	X	X
Indonesia		X	X	X	X
Iran (Islamic Republic of)	X	X			X
Iraq	X	X	X		
Ireland <sup>b</sup>	X	X	X	X	X
Israel	X	X	X	X	X
Italy <sup>b</sup>	X	X	X	X	X
Jamaica	X	X			X
Japan	X	X	X	X	X
Jordan	X	X	X	X	X
Kazakhstan	X	X	X	X	X
Kenya	X	X			
Kiribati					
Kuwait				X	X
Kyrgyzstan	X	X	X	X	X
Lao People's Democratic Republic	X	X	X	X	X
Latvia <sup>b</sup>	X	X	X	X	X
Lebanon	X	X	X	X	X
Lesotho					
Liberia					
Libya					
Liechtenstein					
Lithuania <sup>b</sup>	X	X	X	X	X
Luxembourg <sup>b</sup>	X	X	X	X	X
Madagascar	X	X			X
Malawi	X				
Malaysia	X	X	X	X	X
Maldives	X	X	X	X	X
Mali					X
Malta <sup>b</sup>	X	X	X	X	X
Marshall Islands					
Mauritania	X				
Mauritius		X	X	X	
Mexico	X	X	X	X	X
Micronesia (Federated States of)					X
Monaco					
Mongolia				X	
Montenegro	X	X	X	X	X
Montserrat <sup>a</sup>		X		X	X
Morocco	X	X	X	X	X
Mozambique		X			
Myanmar	X	X	X	X	X
Namibia		X			
Nauru					
Nepal					X
Netherlands <sup>b</sup>	X	X	X	X	X
New Caledonia <sup>a</sup>	X	X	X	X	X
New Zealand	X	X	X	X	X



<i>Country or territory</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>
Nicaragua	X	X	X	X	X
Niger					
Nigeria			X	X	X
Niue					
Norfolk Island <sup>d</sup>	X	X	X		X
Norway	X	X		X	
Oman	X				
Pakistan	X	X	X	X	X
Palau					X
Panama	X	X	X	X	X
Papua New Guinea					
Paraguay	X	X	X		X
Peru	X	X	X	X	X
Philippines	X	X	X	X	X
Poland <sup>b</sup>	X	X	X	X	X
Portugal <sup>b</sup>	X	X	X	X	X
Qatar			X		X
Republic of Korea	X	X	X	X	X
Republic of Moldova	X	X	X	X	X
Romania <sup>b</sup>	X	X	X	X	X
Russian Federation	X	X	X	X	X
Rwanda					
Saint Helena	X		X		
Saint Kitts and Nevis					
Saint Lucia	X	X	X	X	X
Saint Vincent and the Grenadines				X	X
Samoa	X	X	X	X	
San Marino					
Sao Tome and Principe	X		X		
Saudi Arabia	X	X	X	X	X
Senegal	X	X			X
Serbia	X	X	X	X	X
Seychelles			X	X	
Sierra Leone					
Singapore	X	X	X	X	X
Sint Maarten <sup>c</sup>					
Slovakia <sup>b</sup>	X	X	X	X	X
Slovenia <sup>b</sup>	X	X	X	X	X
Solomon Islands					
Somalia					
South Africa	X				X
South Sudan <sup>e</sup>					
Spain <sup>b</sup>	X	X	X	X	X
Sri Lanka	X	X	X	X	X
Sudan					
Suriname					
Swaziland					
Sweden <sup>b</sup>	X	X	X	X	X
Switzerland	X	X	X	X	X
Syrian Arab Republic	X	X		X	X
Tajikistan	X	X	X	X	X

<i>Country or territory</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>
Thailand	X	X	X	X	X
The former Yugoslav Republic of Macedonia		X			
Timor-Leste					
Togo				X	
Tonga					
Trinidad and Tobago	X	X	X	X	X
<i>Tristan da Cunha</i>					
Tunisia	X	X	X	X	X
Turkey	X	X	X	X	X
Turkmenistan	X		X	X	X
<i>Turks and Caicos Islands<sup>a</sup></i>					
Tuvalu			X	X	
Uganda	X	X	X	X	X
Ukraine	X	X	X	X	X
United Arab Emirates	X	X	X	X	X
United Kingdom <sup>b</sup>	X	X	X	X	X
United Republic of Tanzania	X	X	X	X	X
United States of America	X	X	X	X	X
Uruguay	X	X	X	X	X
Uzbekistan	X	X	X	X	X
Vanuatu			X		
Venezuela (Bolivarian Republic of)	X	X	X	X	X
Viet Nam	X	X	X	X	X
<i>Wallis and Futuna Islands<sup>a</sup></i>					
Yemen	X	X	X	X	
Zambia					
Zimbabwe	X	X			X
<b>Total number of Governments that submitted form D<sup>f</sup></b>	<b>140</b>	<b>139</b>	<b>134</b>	<b>130</b>	<b>136</b>
<b>Total number of Governments requested to provide information</b>	<b>213</b>	<b>213</b>	<b>213</b>	<b>213</b>	<b>213</b>

<sup>a</sup> Territorial application of the 1988 Convention has been confirmed by the authorities concerned.

<sup>b</sup> State member of the European Union.

<sup>c</sup> The Netherlands Antilles was dissolved on 10 October 2010, resulting in two new constituent entities, Curaçao and Sint Maarten. The authorities of Curaçao submitted form D for 2010 for the former Netherlands Antilles.

<sup>d</sup> Information was provided by Australia.

<sup>e</sup> By its resolution 65/308 of 14 July 2011, the General Assembly decided to admit South Sudan to membership in the United Nations.

<sup>f</sup> In addition, the European Commission submitted form D for the years 2009-2013.

## Annex VIII

### Seizures of substances in Tables I and II of the 1988 Convention, as reported to the International Narcotics Control Board, 2009-2013

1. Tables A.1 and A.2 below show information on seizures of the substances included in Tables I and II of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances of 1988, furnished to the International Narcotics Control Board by Governments in accordance with article 12, paragraph 12, of the Convention.

2. The tables include data on domestic seizures and on seizures effected at points of entry or exit. They do not include reported seizures of substances where it is known that the substances were not intended for the illicit manufacture of drugs (for example, seizures effected on administrative grounds or seizures of ephedrine/pseudoephedrine preparations to be used as stimulants). Stopped shipments are also not included. The information may include data submitted by Governments through means other than form D; in such cases, the sources are duly noted.

#### Units of measure and conversion factors

3. Units of measure are indicated for every substance. As fractions of full units are not listed in the tables, figures are rounded as necessary.

4. For a variety of reasons, individual quantities of some substances seized are reported to the Board using different units; for instance, one country may report seizures of acetic anhydride in litres, another in kilograms.

5. To enable a proper comparison of collected information, it is important that all data be collated in a standard format. To simplify the necessary standardization process, figures are given in grams or kilograms where the substance is a solid and in litres where the substance (or its most common form) is a liquid.

6. Seizures of solids reported to the Board in litres have not been converted into kilograms and are not included in the tables, as the actual quantity of substance in solution is not known.

7. For seizures of liquids, quantities reported in kilograms have been converted into litres using the following factors:

<i>Substance</i>	<i>Conversion factor (kilograms to litres)<sup>a</sup></i>
Acetic anhydride	0.926
Acetone	1.269
Ethyl ether	1.408
Hydrochloric acid (39.1% solution)	0.833
Isosafrole	0.892
3,4-Methylenedioxyphenyl-2-propanone	0.833
Methyl ethyl ketone	1.242
1-Phenyl-2-propanone	0.985
Piperidine	1.160
Safrole	0.912
Sulphuric acid (concentrated solution)	0.543
Toluene	1.155

<sup>a</sup> Derived from density (*The Merck Index* (Rahway, New Jersey, Merck, 1989)).

8. As an example, to convert 1,000 kilograms of methyl ethyl ketone into litres, multiply by 1.242, i.e.  $1,000 \times 1.242 = 1,242$  litres.
9. For the conversion of gallons to litres it has been assumed that in Colombia the United States gallon is used, with 3.785 litres to the gallon, and in Myanmar the imperial gallon is used, with 4.546 litres to the gallon.
10. If reported quantities have been converted, the converted figures are listed in the tables in italics.
11. The names of territories appear in italics.
12. A dash (–) signifies that the report did not include data on seizures of the particular substance in the reporting year.
13. A degree symbol (°) signifies less than the smallest unit of measurement shown for that substance (for example, less than 1 kilogram).
14. Discrepancies may exist between the regional total seizure figures and the world total figures because the actual quantities seized were rounded to whole numbers.

**Table A.1. Seizures of substances in Tables I and II of the 1988 Convention as reported to the International Narcotics Control Board, 2009-2013**

Country or territory, by region	Acetic anhydride (litres)	N-Acetyl-anthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphenyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
<b>Africa</b>																	
Côte d'Ivoire																	
2009	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2011	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2012	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2013	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nigeria																	
2009	1	1	4 200	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2011	1	1	56	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2012	1	1	461	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Zimbabwe																	
2013	1	1	1	113	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>Regional total</b>																	
2009	0	0	4 200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	461	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	114	0	0	0	0	0	0	0	0	0	0	0	0	0

Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphe-nyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
<b>Americas</b>																		
<b>Central America and the Caribbean</b>																		
Belize	2013	660	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Costa Rica	2009	—	—	—	—	—	—	—	—	—	—	30	—	—	—	—	—	—
	2010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14	—	—
Dominican Republic	2009	—	—	—	—	—	—	—	—	—	—	—	250	—	—	4	238 <sup>b</sup>	—
El Salvador	2010	—	—	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2011	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Guatemala	2009	—	—	7	—	—	—	—	—	—	—	—	—	—	—	12 946	<sup>b</sup>	—
	2010	—	—	15	—	—	—	—	—	—	—	—	—	—	—	989	<sup>b</sup>	—
	2011	512	—	100	—	—	—	—	—	—	—	—	1	—	—	95	—	—
Honduras	2011	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	41	—
	2012	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22 565	—	—
	2013	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—
Nicaragua	2012	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphe-nyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
Panama	2009	—	—	°	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2013	—	—	—	—	—	—	—	—	—	—	22	—	—	—	—	—	—
<b>Regional total</b>																		
2009	0	0	0	7	0	0	0	0	0	0	0	30	250	0	0	12 950	238	0
2010	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	1 003	0	0
2011	512	0	100	0	0	0	0	0	0	0	0	0	1	0	0	95	41	0
2012	0	0	0	0	0	0	0	0	0	13	0	0	52	0	0	22 565	0	0
2013	660	0	0	0	0	0	0	0	0	0	0	22	0	0	0	1	0	0
<b>North America</b>																		
Canada	2009	—	—	357	—	—	—	—	—	—	—	—	—	—	—	154	—	80
	2010	—	—	676	—	—	—	—	—	—	5 924	—	—	—	16	°	—	—
	2011	—	—	13	—	—	—	—	7	122	—	—	—	—	1	11	—	65
	2012	—	—	686	—	—	20	—	°	—	526	°	—	—	5	309	—	2 025
	2013	4	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—
Mexico	2009	440	—	879	—	—	—	—	—	—	119	—	30 654	4 289	—	2 681	—	—
	2010	4 821	—	5 337	—	2 000	—	—	—	—	14 203	25	56 080	—	—	3 912	—	—
	2011	76 625	—	2	—	—	—	—	—	—	2 184	—	14 370	°	—	313	—	2 371
	2012	35 040	—	—	—	—	1 630	—	—	—	4 699	—	1 188	3	35	62	—	—
	2013	7 597	—	—	—	—	—	—	—	—	2 796	—	3 324	—	—	7 197	—	—
United States of America	2009	5	—	14 107	—	—	—	—	110	—	38	1	°	—	13	6 209	<sup>b</sup>	20

Country or territory, by region	Acetic anhydride (litres)	N-Acetylthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphe-nyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Pi-peronal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
2010	61 647	—	6 450	—	—	620	°	—	—	114	23	173 578	—	24	11 011	<sup>b</sup>	1
2011	24 713	—	17 520 <sup>c</sup>	33 566 <sup>c</sup>	—	820	—	3	—	200	°	997 330	—	224	2 502	<sup>b</sup>	2 281
2012	859	—	270	—	—	—	—	3	—	—	—	314	—	152	241	°	1
2013	—	—	16	—	—	—	—	—	—	—	—	—	—	—	1 029	—	10
<b>Regional total</b>																	
2009	445	0	15 343	0	0	0	0	110	0	157	1	30 654	4 289	13	9 044	0	100
2010	66 468	0	12 463	0	2 000	620	0	0	0	20 241	48	229 658	0	40	14 923	0	1
2011	101 338	0	17 535	33 566	0	820	0	10	122	2 384	0	1 011 700	0	225	2 826	0	4 717
2012	35 899	0	956	0	0	1 650	0	3	0	5 225	0	1 502	3	192	612	0	2 026
2013	7 601	0	16	0	0	0	0	0	0	2 796	0	3 324	0	0	8 228	0	10
<b>South America</b>																	
Argentina																	
2009	—	—	10 440	—	—	—	—	—	—	—	—	—	—	52	—	—	—
2011	—	—	—	—	—	—	—	—	—	—	—	—	—	12	250	—	—
2012	—	—	9	—	—	—	—	—	—	—	—	—	—	2	—	—	—
2013	—	—	—	1	—	—	—	—	—	—	—	—	—	2	—	—	—
Bolivia (Plurinational State of) <sup>d</sup>																	
2009	—	—	—	—	—	—	—	—	—	—	—	—	—	2 097	—	—	—
2011	—	—	°	—	—	—	—	—	—	—	—	—	—	9 914	°	°	—
2012	—	—	—	—	—	—	—	—	—	—	—	—	—	964	—	—	—
2013	—	—	—	—	—	—	—	—	—	—	—	—	—	3 058	—	—	—
Brazil																	
2009	—	—	—	—	—	—	—	—	—	—	—	—	—	4	47	—	—
2010	—	—	—	—	—	—	—	—	—	—	—	—	—	217	—	—	—



Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylanthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphe-nyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
	2011	53	-	-	-	-	-	-	-	-	-	-	-	-	232	-	41	-
	2012	1 878	-	-	-	-	-	-	-	-	-	-	-	-	278	-	-	-
	2013	249	-	-	-	-	-	-	-	-	-	-	-	-	14 621	-	-	-
Chile	2009	-	-	1 187	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	2009	8	-	1	-	-	-	-	-	-	-	-	-	-	22 793	220	-	-
	2010	1 006	-	-	-	-	-	-	-	-	-	-	-	-	26 442	-	-	-
	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	24 044	-	-	-
	2012	11	-	-	-	-	-	-	-	-	-	-	-	-	55 677	-	-	-
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	21 873	-	-	-
Ecuador	2009	-	-	-	-	-	-	-	-	-	-	-	-	-	480	-	-	-
	2010	-	-	-	-	-	-	-	-	-	-	-	-	-	589	-	-	-
	2011	-	-	-	-	-	-	-	-	-	220	-	-	-	233	-	-	-
Paraguay	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	3 705	-	-	-
Peru	2009	-	-	-	-	-	-	-	-	-	-	-	-	-	1 774	-	-	-
	2010	-	-	-	-	-	-	-	-	-	-	-	-	-	517	-	-	-
	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	1 997	-	-	-
	2012	-	-	-	-	-	-	-	-	-	-	-	-	-	3 093	-	-	-
	2013	1	-	-	-	-	-	-	-	-	-	-	-	-	2 787	-	-	-

Country or territory, by region	Acetic anhydride (litres)	N-Acetylthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxypheyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
Venezuela (Bolivarian Republic of)																	
2009	—	—	336	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2010	—	—	—	—	—	78 360	—	—	—	—	—	—	—	—	—	—	—
2011	—	—	—	16	—	—	—	—	—	—	—	—	—	100	—	3	—
2012	—	—	—	—	—	—	—	—	—	—	—	—	—	2 447	—	—	—
<b>Regional total</b>																	
2009	8	0	11 964	0	0	0	0	0	0	0	0	0	0	27 200	267	0	0
2010	1 006	0	0	0	0	78 360	0	0	0	0	0	0	0	27 765	0	0	0
2011	53	0	0	16	0	0	0	0	0	220	0	0	0	36 532	250	44	0
2012	1 889	0	9	0	0	0	0	0	0	0	0	0	0	62 461	0	0	0
2013	250	0	0	1	0	0	0	0	0	0	0	0	0	46 046	0	0	0
<b>Asia</b>																	
<b>East and South-East Asia</b>																	
Cambodia																	
2011	—	—	3	—	—	—	—	—	—	—	—	—	—	—	6	—	2 058
China <sup>e</sup>																	
2009	926	—	28 120	—	—	—	—	—	—	2 275	—	8 570	10	55	380	—	—
2010	16 346	—	4 310	—	—	—	—	—	—	—	—	4 670	—	—	1 270	—	—
2011	16 946	—	4 210	—	—	—	—	—	—	—	—	4 520	—	—	1 170	—	—
2012	17 131	—	3 210	2 428	—	—	—	—	—	259	—	30	—	29 927	—	902	—
2013	94 948	—	11 103	5 718	—	—	—	—	18	5 434	—	6 552	—	3 521	908	—	—
<i>Hong Kong SAR of China</i>																	
2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	7	—
2010	—	—	—	—	—	—	—	—	—	660	—	—	—	—	°	—	—

Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphenyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
	2012	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33	<sup>b</sup>	—
	2013	—	—	41	—	—	—	—	—	—	—	—	—	—	—	34	27 <sup>b</sup>	—
<i>Macao SAR of China</i>																		
	2012	—	—	—	167	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Indonesia</i>																		
	2011	—	—	—	<sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	40	—
	2012	—	—	4	<sup>b</sup>	—	—	—	—	—	—	4	—	—	—	—	—	—
	2013	—	—	°	°	—	—	—	—	—	—	—	—	—	—	—	—	257
<i>Japan</i>																		
	2009	8 424	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2010	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—
	2013	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Lao People's Democratic Republic</i>																		
	2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4 665 <sup>b</sup>	—
	2013	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Malaysia</i>																		
	2010	—	13	—	—	—	—	—	—	—	—	—	—	—	—	5	—	—
	2011	—	—	109	—	—	—	—	—	—	—	—	—	—	—	903	—	7 675
	2012	—	—	—	91	—	—	—	—	—	—	—	—	—	—	5	—	—
	2013	—	—	66	90	—	—	—	—	—	—	—	—	—	—	—	63	—
<i>Myanmar</i>																		
	2009	700	—	—	1 646	—	—	—	—	—	—	—	—	—	—	3 272	—	—

Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphenyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
Philippines	2010	14	-	-	33	-	-	-	-	-	-	-	-	-	-	-	766	-
	2013	-	-	-	133	-	-	-	-	-	-	-	95	-	-	-	3 581	-
	2009	-	-	9	-	-	-	-	-	-	1	-	-	-	8	°	-	-
	2010	-	-	°	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2011	-	-	106	-	-	-	-	-	-	-	-	-	-	-	°	-	-
Republic of Korea	2012	-	-	378	-	-	-	-	-	212	-	273	-	1	-	3	-	-
	2013	-	-	1	-	-	-	-	-	-	-	-	-	-	-	609	-	-
Singapore	2009	13	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	155	-
Thailand	2009	-	-	°	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2010	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	<sup>b</sup>	-
	2011	-	-	3	°	-	-	-	-	-	-	-	-	-	-	-	1 <sup>b</sup>	-
	2012	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	<sup>b</sup>	-
Viet Nam	2013	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	47	-
<b>Regional total</b>																		
2009		10 063	0	28 129	1 646	0	0	0	0	0	2 276	0	8 570	10	63	3 656	4 672	0
2010		16 360	13	4 313	33	0	0	0	0	0	660	2	4 670	0	0	1 275	766	0

Country or territory, by region	Acetic anhydride (litres)	N-Acetylanthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphe-nyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
<b>2011</b>	<b>16 946</b>	<b>0</b>	<b>4 431</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4 520</b>	<b>0</b>	<b>0</b>	<b>2 079</b>	<b>196</b>	<b>9 733</b>
<b>2012</b>	<b>17 131</b>	<b>0</b>	<b>3 609</b>	<b>2 686</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>212</b>	<b>259</b>	<b>277</b>	<b>30</b>	<b>1</b>	<b>29 927</b>	<b>41</b>	<b>902</b>	<b>0</b>
<b>2013</b>	<b>94 948</b>	<b>0</b>	<b>11 211</b>	<b>5 950</b>	<b>0</b>	<b>449</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>5 434</b>	<b>0</b>	<b>6 647</b>	<b>0</b>	<b>3 521</b>	<b>1 551</b>	<b>3 718</b>	<b>257</b>
<b>South Asia</b>																	
<b>India</b>																	
2009	1 038	-	1 064	1 244	-	-	-	-	-	-	-	-	-	-	180	-	-
2010	81	-	1 848	-	-	-	-	-	-	-	-	-	-	-	359	-	-
2011	-	-	6 308	104	-	-	-	62	-	-	-	-	-	-	118	676	-
2012	336	-	559	-	-	-	-	-	-	-	8	-	-	-	5 691	236	-
2013	242	-	707	-	-	-	-	-	-	-	-	-	-	-	5 098	-	-
<b>Regional total</b>																	
2009	1 038	0	1 064	1 244	0	0	0	0	0	0	0	4 520	0	0	180	0	0
2010	81	0	1 848	0	0	0	0	0	0	0	0	0	0	0	359	0	0
2011	0	0	6 308	104	0	0	0	62	0	0	0	0	0	0	118	676	0
2012	336	0	559	0	0	0	0	0	0	0	8	0	0	0	5 691	236	0
2013	242	0	707	0	0	0	0	0	0	0	0	0	0	0	5 098	0	0
<b>West Asia</b>																	
<b>Afghanistan</b>																	
2009	36 618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	23 260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2011	68 245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	31 451	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2013	14 212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphenyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
Armenia	2009	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2010	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2011	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2012	°	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2013	°	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Iran (Islamic Republic of)	2010	—	—	2 738 <sup>f</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2011	—	—	3 809 <sup>f</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2013	16 501 <sup>g</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kazakhstan	2009	2	—	—	—	—	—	—	—	—	—	—	—	—	5	—	—	—
	2010	1	—	—	—	—	—	—	—	—	—	—	—	—	3 285	—	—	—
	2011	—	—	—	—	—	—	—	—	—	—	—	—	—	°	—	—	—
Kyrgyzstan	2012	792	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lebanon	2009	—	—	—	°	—	—	—	—	—	—	—	—	—	—	—	—	—
	2010	—	—	—	°	—	—	—	—	—	—	—	—	—	—	—	—	—
	2012	—	—	6	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	2013	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pakistan	2009	4 405	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ephedrine (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphe-nyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
	2010	16 178	-	265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2011	43	-	295	-	-	-	-	-	-	-	-	-	-	-	1 250	-	-	-
	2012	81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2013	15 480	-	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 600	-	-	-
	2012	-	-	-	-	-	-	-	-	-	-	498	-	-	-	-	-	-	-
Syrian Arab Republic	2009	13 000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2010	11 104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2011	3 706	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2013	14 672	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	2009	4 000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uzbekistan	2009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Country or territory, by region	Acetic anhydride (litres)	N-Acetylthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphe-nyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
<b>Regional total</b>																	
2009	58 027	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
2010	50 560	0	3 003	0	0	0	0	0	0	0	0	0	0	3 911	0	0	0
2011	71 995	0	4 104	0	0	0	0	0	0	0	0	0	0	1 253	0	0	0
2012	32 501	0	6	20	0	0	0	0	0	498	0	0	0	0	0	0	0
2013	60 865	0	54	0	0	0	0	0	0	0	0	0	0	1 760	0	0	0
<b>Europe</b>																	
<b>States not members of the European Union</b>																	
Belarus																	
2009	—	—	1	—	—	—	—	—	—	1	—	—	—	—	—	2	—
2010	—	—	—	—	—	—	—	—	2	—	1	—	—	—	16	—	—
2011	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2012	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2013	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Republic of Moldova																	
2013	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway																	
2009	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
2010	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
2012	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Russian Federation																	
2009	32	—	2	—	—	—	—	1	—	1 731	—	—	—	4	—	—	—
2010	15	—	—	—	—	—	—	102	—	—	—	—	—	—	—	—	—
2011	820	—	—	—	—	—	—	—	—	1 060	—	—	—	—	3	—	—



Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphe-nyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
	2012	5	—	°	—	—	—	—	—	—	4	—	—	—	—	—	—	—
	2013	8	—	2	—	—	—	—	83	—	30	—	—	—	—	—	—	—
Serbia																		
	2009	—	—	—	—	—	—	—	—	—	—	—	1 900	—	—	—	—	—
	2012	—	—	°	—	—	—	—	—	—	—	—	—	°	—	—	—	—
Ukraine																		
	2009	19	—	°	1	°	—	—	—	—	—	—	—	—	41	1	1	—
	2010	43	—	8	°	—	—	—	—	—	°	—	—	—	386	17	3	—
	2011	31	—	4	5	—	—	—	—	—	5	°	—	—	396	2	2	—
	2012	52	—	—	°	—	—	—	—	—	°	°	—	—	101	°	—	—
	2013	1 664	—	—	51	—	—	—	—	—	—	°	—	—	225	—	2 991	—
States members of the European Union																		
Austria																		
	2009	—	—	—	<sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—
	2010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—
	2013	2	—	—	—	—	—	—	—	104	—	—	—	—	1	—	—	—
Belgium																		
	2009	—	—	—	—	—	—	—	—	—	120	—	—	—	—	—	—	—
	2010	—	—	—	—	—	—	—	—	—	5 050	—	—	—	—	—	—	—
	2011	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
	2012	—	—	—	—	—	—	—	—	—	503	—	—	—	—	—	—	—
	2013	—	—	1	—	—	—	—	—	2 781	15	—	—	—	—	—	—	—
Bulgaria																		
	2009	—	—	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—

Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylanthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphenyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
	2010	21 111	—	<sup>b</sup>	—	—	—	—	—	—	20	—	—	—	—	—	—	—
	2011	20	—	—	—	—	—	—	—	—	545	—	—	—	—	—	—	—
	2012	42	—	<sup>b</sup>	—	—	—	—	—	—	2	—	—	—	—	—	<sup>b</sup>	—
	2013	—	—	—	—	—	—	—	—	—	—	—	97	—	—	—	108	—
Croatia	2013	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Czech Republic	2009	—	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2010	—	—	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2011	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2012	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	16	—
	2013	—	—	—	—	—	—	—	—	—	—	—	—	—	—	64	25	—
Estonia	2009	—	—	—	—	—	—	—	—	—	49	—	—	—	—	—	—	—
	2010	—	—	—	—	—	—	—	—	—	29	—	—	—	—	—	—	—
	2011	—	—	—	—	—	—	—	—	—	10	—	—	—	—	—	—	—
	2013	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Finland	2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2011	—	—	—	—	—	—	—	—	—	3	—	—	—	—	—	—	—
	2012	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2013	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphenyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)	
France	2009	—	—	263	—	—	—	—	—	—	—	—	250	—	—	40	—	—	—
	2010	—	—	°	—	—	—	—	—	—	—	—	—	—	1	°	—	—	—
	2011	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2012	—	—	1	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
	2013	—	—	°	—	—	—	—	—	—	—	—	—	—	—	°	—	—	—
Germany	2009	56	—	212	—	—	—	—	—	—	100	—	26	—	1	—	78	—	—
	2010	12	—	46	—	—	—	°	—	—	—	°	2	—	°	°	° <sup>b</sup>	°	°
	2011	3	—	20	—	—	—	—	—	—	24	°	6 000	—	—	3	° <sup>b</sup>	—	—
	2012	—	—	°	—	—	—	—	—	—	38	—	—	—	°	—	—	—	—
	2013	—	—	1	—	—	—	—	—	—	°	—	—	—	1	—	° <sup>b</sup>	—	—
Greece	2012	—	—	° <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2013	—	—	° <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hungary	2009	—	—	2	°	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2010	—	—	°	1	—	—	—	—	—	—	—	—	—	°	—	7	—	—
	2011	—	—	—	1	—	—	—	—	—	—	—	—	—	°	—	—	—	—
	2012	33	—	—	°	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2013	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ireland	2009	—	—	—	—	—	—	—	300	—	—	—	—	—	—	—	—	—	—
	2010	—	—	—	° <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphenyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)	
	2011	-	-	-	3	-	-	-	449	-	-	-	-	-	-	-	-	-	
	2012	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	
Latvia	2011	-	-	-	°	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lithuania	2009	-	-	-	-	-	-	-	-	-	116	-	-	-	-	-	-	929	
	2011	-	-	-	-	-	-	-	-	1	600	-	-	°	-	-	-	-	
	2012	-	-	-	-	-	-	-	-	-	17	-	-	332	-	-	-	-	
	2013	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	13	
Luxembourg	2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77	-	
	2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	-	-	
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Netherlands	2009	-	-	40	-	-	-	-	-	40	207	165	-	-	-	-	25	382 <sup>b</sup>	20
	2010	-	-	500	-	-	-	-	-	-	334	-	-	-	-	-	-	8	85
	2011	-	-	-	-	-	-	-	-	-	111	-	-	-	-	-	-	-	105
	2012	-	-	-	-	-	-	10	-	-	123	-	-	-	-	500	-	-	-
	2013	-	-	-	-	-	-	10	-	112	-	-	-	-	80	-	-	-	13 825
Poland	2009	-	-	-	-	-	-	-	-	-	119	-	-	-	-	-	-	-	-
	2010	-	-	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-	-
	2011	1	-	-	-	-	-	-	-	-	350	-	-	-	-	290	-	-	-
	2012	1 755	-	-	-	-	-	-	-	-	149	-	-	-	-	-	-	-	-

Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylanthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphe-nyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
	2013	°	1	10	1	1	1	1	1	1	1	1	1	1	5	°	1	1
Portugal	2009	1	1	1	°	1	1	1	1	1	1	1	1	1	1	1	1	1
	2013	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Romania	2009	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2013	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Slovakia	2009	800	1	°	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2010	—	1	°	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2011	6 020	1	°	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2012	—	1	°	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2013	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Slovenia	2012	—	1	°	1	1	1	1	1	°	1	1	1	1	1	1	1	1
	2013	1	1	°	1	1	1	1	1	912	1	1	1	1	1	1	1	1
Spain	2009	5	1	1	1	1	1	1	1	1	1	1	1	1	°	1	1	1
	2010	—	1	°	1	1	1	1	1	1	1	1	1	1	2	1	1	1
	2011	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2012	11	1	1 500	°	1	1	1	1	1	1	1	1	1	19	1	1	1
	2013	9 497	1	1	1	1	1	1	1	1	1	1	1	1 400	5 926	1	1	1

Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetylanthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphe-nyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)
Sweden	2009	—	—	°	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	2010	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—
	2011	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	2012	—	—	°	1 <sup>b</sup>	—	—	—	—	—	—	—	°	—	—	—	—	—
	2013	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	54	5
	2010	—	—	1	<sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—
	2011	—	—	500	°	—	—	—	—	—	—	—	10	—	—	—	—	—
	2012	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2013	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	<sup>b</sup>	—
Regional total																		
	2009	912	0	526	12	0	0	0	301	40	2 483	165	2 181	0	46	67	517	954
	2010	21 181	0	562	2	0	0	0	102	2	5 493	1	2	0	390	36	95	85
	2011	6 895	0	529	11	0	0	0	449	1	2 708	0	6 000	10	397	304	2	106
	2012	1 898	1	1 504	2	0	0	10	0	3	836	0	116	332	121	803	16	0
	2013	11 171	1	15	653	0	1	10	83	3 910	61	0	97	1 405	6 239	64	3 125	13 838
Oceania																		
Australia	2009	1	—	77	6	—	—	5	°	°	6	—	°	—	—	417	388	14
	2010	—	—	46	51	—	100	1	4	°	9	11	—	°	—	303	366	47
	2011	6	—	261	5	—	4	°	—	1	—	1	10	°	—	724	723	2 565
	2012	2	—	520	—	—	—	°	691	°	—	2	°	°	—	770	2	1
	2013	—	—	1 253	—	—	207	—	523	—	1	1	°	°	—	629	—	11

Country or territory, by region	Year	Acetic anhydride (litres)	N-Acetyl-anthranilic acid (kilograms)	Ephedrine (kilograms)	Ephedrine preparations (kilograms)	Ergometrine (grams)	Ergotamine (grams)	Isosafrole (litres)	Lysergic acid (grams)	3,4-Methylenedioxyphenyl-2-propanone (litres)	1-Phenyl-2-propanone (litres)	Norephedrine (phenylpropanolamine) (kilograms)	Phenylacetic acid <sup>a</sup> (kilograms)	Piperonal (kilograms)	Potassium permanganate (kilograms)	Pseudoephedrine (kilograms)	Pseudoephedrine preparations (kilograms)	Safrole (litres)	
Fiji	2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	107	—	
	2010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18	—	
New Zealand	2009	7	—	—	43	—	—	—	—	—	—	—	—	—	—	—	3	—	
	2010	°	—	—	24	—	—	—	—	—	—	—	—	—	1	—	925	35	
	2011	°	—	—	96 <sup>a</sup>	—	—	—	—	—	—	—	—	—	°	—	608 <sup>b</sup>	—	
	2012	°	—	—	5	—	—	—	—	—	—	—	—	—	°	—	426 <sup>b</sup>	1	
	2013	°	—	—	3 <sup>b</sup>	—	—	—	—	—	—	—	—	—	—	—	691 <sup>b</sup>	—	
Regional total																			
	2009	8	0	77	49	0	0	5	0	0	6	0	0	0	0	0	417	498	14
	2010	0	0	46	75	0	100	1	4	0	9	11	0	0	1	303	1 309	82	
	2011	6	0	261	101	0	4	0	0	1	0	1	10	0	0	724	1 331	2 565	
	2012	2	0	520	5	0	0	0	691	0	0	2	0	0	0	770	428	2	
	2013	0	0	1 253	3	0	207	0	523	0	1	1	0	0	0	629	691	11	
World total																			
	2009	70 501	0	61 308	2 951	0	0	5	411	40	4 923	196	41 655	4 299	27 325	26 581	5 926	1 068	
	2010	155 656	13	22 262	110	2 000	79 080	1	106	2	26 403	62	234 329	0	32 107	17 900	2 170	169	
	2011	197 744	0	33 326	33 797	0	824	0	521	124	5 312	2	1 022 231	10	38 406	6 398	2 291	17 122	
	2012	89 657	1	7 624	2 714	0	1 650	10	694	228	6 818	286	1 700	336	92 702	30 481	1 583	2 028	
	2013	175 739	1	13 256	6 721	0	657	10	606	3 927	8 292	23	10 068	1 405	57 566	15 571	7 534	14 115	

<sup>a</sup> Transferred to Table I of the 1988 Convention in January 2011.

<sup>b</sup> Seizures of ephedrine and pseudoephedrine reported to the Board in consumption units (such as tablets and doses) have not been converted into

kilograms, as the actual quantity of ephedrine and pseudoephedrine is not known. The following countries have reported seizures of preparations containing ephedrine and/or pseudoephedrine quantified in terms of consumption units:

	Year	Ephedrine preparations (units)	Pseudoephedrine preparations (units)
Austria	2009	400	-
Bulgaria	2010	4 252	-
	2012	50 000	3 660
China	2009	33 892	-
Hong Kong SAR	2013	-	656 271
Côte d'Ivoire	2011	23 962	-
	2012	80 820	-
Czech Republic	2009	-	42 444
	2010	15 000	326 941
	2011	2 570	872 703
Dominican Republic	2009	-	993 520
Finland	2009	4 058	-
	2010	10 075	-
	2011	6 107	-
	2012	6 359	-
Germany	2010	170	462
	2011	-	1 890
	2013	4 034	78
Greece	2010	2	-
	2011	8	-
Guatemala	2009	-	409 215
	2010	-	1 470 015
Indonesia	2011	3 000	-
	2012	53	-
Ireland	2010	2 200	-
New Zealand	2011	123 431	34 833
	2012	-	3 630
	2013	6 956	5 073
Portugal	2009	37	-
Romania	2009	120	-
Slovakia	2009	-	1 207
	2010	-	336
	2011	-	1 734
	2013	-	16 128
Sweden	2012	60 976	-
Thailand	2010	-	33 376 072
	2011	-	10 240 820
	2012	-	2 011 100
	2013	-	302 630



	Year	<i>Ephedrine preparations</i> (units)	<i>Pseudoephedrine preparations</i> (units)
United Kingdom	2010	–	1 000
	2010	432 300	–
	2011	288 000	–
United States	2009	33 748	147 136
	2010	2 574	2 309 242
	2011	–	4 003 371

<sup>c</sup> Figures reported for the United States for 2011 may inadvertently include sizeable seizures of *Sida cordifolia* and/or *Ephedra* plant extracts and are thus not comparable with figures for previous years.

<sup>d</sup> Organization of American States, Inter-American Drug Abuse Control Commission (CICAD), *Bolivia: Evaluation of Progress in Drug Control, 2007-2009* (Washington, D.C., 2010).

<sup>e</sup> For statistical purposes, the data for China do not include those for the Hong Kong Special Administrative Region of China and the Macao Special Administrative Region of China.

<sup>f</sup> Based on data on seizures of precursors reported annually since 2010 by the Anti-Narcotic Police in the Islamic Republic of Iran.

<sup>g</sup> Statistics from the 2013 *Drug Control Report* issued by the Islamic Republic of Iran.

<sup>h</sup> Turkish National Police, Anti-Smuggling and Organized Crime Department, *Turkish Report of Anti-Smuggling and Organized Crime: 2011* (Ankara, 2012).

**Table A.2. Seizures of substances in Table II of the 1988 Convention as reported to the International Narcotics Control Board, 2009-2013**

Country or territory, by region	Year	Acetone (litres)	Anthranilic acid (kilograms)	Ethyl ether (litres)	Hydrochloric acid (litres)	Methyl ethyl ketone (litres)	Piperidine (litres)	Sulphuric acid (litres)	Toluene (litres)
<b>Africa</b>									
Nigeria	2011	400	—	—	—	—	—	25	200
<b>Regional total</b>									
	2009	0	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0	0
	2011	400	0	0	0	0	0	25	200
	2012	0	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0	0
<b>Central America and the Caribbean</b>									
Guatemala	2011	—	—	—	8 707	—	—	212	—
Honduras	2011	—	—	—	<sup>a</sup>	—	—	—	—
<b>Regional total</b>									
	2009	0	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0	0
	2011	0	0	0	8 707	0	0	212	0
	2012	0	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0	0

Country or territory, by region	Year	Acetone (litres)	Anthranilic acid (kilograms)	Ethyl ether (litres)	Hydrochloric acid (litres)	Methyl ethyl ketone (litres)	Piperidine (litres)	Sulphuric acid (litres)	Toluene (litres)
<b>North America</b>									
<b>Canada</b>									
	2009	1 023	—	—	175	—	—	4	1 024
	2010	172	—	—	267	4	—	55	423
	2011	371	—	49	274	4	°	201	1 825
	2012	2 786	—	°	855	4	18	24	1 718
	2013	569	—	—	48	—	—	2	981
<b>Mexico</b>									
	2009	13 242	—	8	7 681	—	—	2 230	13 502
	2010	7 776	—	47	10 244	370	—	2 927	21 451
	2011	23 262	—	219	78 125	—	—	1 652	49 410
	2012	10 669	—	14	29 310	64	—	3 171	26 243
	2013	6 901	—	28 001	14 207	94	—	439	12 333
<b>United States of America</b>									
	2009	7 060	—	205	8 152	14	39	7 087	6 432
	2010	55 390	—	25 258	69 940	15	90	28 387	1 305
	2011	71 142	—	115	109 602	29	11	1 231 111	262
	2012	10 594	—	60	206	3	189	125	12
	2013	2 457	—	18	1 681	11	57	1 930	102
<b>Regional total</b>									
	2009	21 325	0	213	16 008	14	39	9 321	20 958
	2010	63 338	0	25 305	80 451	389	90	31 369	23 179
	2011	94 775	0	383	188 001	33	11	1 232 964	51 497
	2012	24 049	0	74	30 371	71	207	3 320	27 973
	2013	9 926	0	28 019	15 936	105	57	2 371	13 415

Country or territory, by region	Year	Acetone (litres)	Anthranilic acid (kilograms)	Ethyl ether (litres)	Hydrochloric acid (litres)	Methyl ethyl ketone (litres)	Piperidine (litres)	Sulphuric acid (litres)	Toluene (litres)
<b>South America</b>									
Argentina									
	2009	504	—	271	589	12	—	442	—
	2010	214	—	237	163	—	—	17	1
	2011	245	—	182	96	2	—	16	—
	2012	311	—	131	52	53	—	26	—
	2013	2 768	—	104	165	3	—	202	—
Bolivia (Plurinational State of)									
	2009 <sup>b</sup>	67 199	—	—	11 008	221	—	62 276	349
	2011	51 663	—	87	9 307	176	—	201 621	5 590
	2012	59 711	—	7 120	5 873	680	—	72 034	6 349
	2013	99 315	—	—	24 839	57	—	67 929	140
Brazil									
	2009	84 520	—	1 336	17 797	30	4	1 947	185
	2010	956	—	—	22 381	6 714	—	1 834	6 748
	2011	954	—	128	7 211	96	—	4 747	49
	2012	1 606	—	466	91 697	3 308	—	28 271	3 742
	2013	2 491	—	58	5 948	—	—	698	—
Chile									
	2009	—	—	—	—	—	—	1 185	—
	2010	1 600	—	—	—	—	—	2 223	—
	2011	—	—	—	19	—	—	93	—
	2012	—	—	—	—	—	—	5	—
	2013	2	—	—	144	—	—	63 610	—

Country or territory, by region	Year	Acetone (litres)	Anthranilic acid (kilograms)	Ethyl ether (litres)	Hydrochloric acid (litres)	Methyl ethyl ketone (litres)	Piperidine (litres)	Sulphuric acid (litres)	Toluene (litres)
Colombia	2009	1 381 411	—	5 034	191 926	38 849	—	249 441	2 914
	2010	688 224	—	6 455	187 914	44 160	—	631 247	66 060
	2011	463 883	—	1 541	96 660	—	—	201 812	42 044
	2012	739 247	—	25 295	76 290	1 419	—	163 242	33 792
	2013	482 063	—	2 286	144 686	3 406	—	1 060 578	765
Ecuador	2009	2 285	—	—	3 984	15 356	—	1 378	—
	2010	4 320	—	—	2 286	10 774	—	1 473	—
	2011	—	—	—	931	2 400	—	3 954	—
	2012	—	—	—	—	—	—	771	—
	2013	—	—	—	104	1 420	—	1 625	—
Paraguay	2009	632	—	—	—	—	—	5 160	—
	2011	4 500	—	5	833	—	—	5 229	2 650
	2013	—	—	—	2 019	—	—	6 960	—
Peru	2009	18 580	—	—	72 601	—	—	77 257	—
	2010	31 139	—	—	172 807	—	—	31 367	—
	2011	32 456	—	45	145 850	310	—	28 505	1 919
	2012	70 024	—	—	87 695	—	—	29 777	100
	2013	86 313	—	128	73 200	157	—	87 675	—
Venezuela (Bolivarian Republic of)	2011	15 858	—	—	25 781	1 140	—	30 284	1 200
	2012	39 331	—	—	28 605	—	—	87 470	427

Country or territory, by region	Year	Acetone (litres)	Anthranilic acid (kilograms)	Ethyl ether (litres)	Hydrochloric acid (litres)	Methyl ethyl ketone (litres)	Piperidine (litres)	Sulphuric acid (litres)	Toluene (litres)
<b>Regional total</b>									
	2009	1 487 932	0	6 641	286 897	54 247	4	336 810	3 099
	2010	726 453	0	6 692	385 551	61 648	0	668 161	72 809
	2011	569 559	0	1 988	286 688	4 124	0	476 261	53 452
	2012	910 230	0	33 012	290 212	5 460	0	381 596	44 410
	2013	672 952	0	2 577	251 104	5 043	0	1 289 277	905
<b>East and South-East Asia</b>									
China <sup>c</sup>									
	2009	31 522	—	25 147	151 298	871	—	89 448	18 099
	2010	31 966	—	16 572	141 918	1 403	—	219 388	—
	2011	21 474	—	17 980	150 165	1 391	—	23 024	—
	2012	31 953	—	15 770	166 825	1 217	—	18 479	13 900
	2013	351 870	490 302	12 204	1 627 816	1 906	2	1 297 043	221 026
Hong Kong SAR of China									
	2010	—	—	—	570	—	—	—	—
Indonesia									
	2011	2	—	—	10	—	—	1	3
	2012	2	—	—	6	—	—	5	—
	2013	1	—	—	—	—	—	—	—
Malaysia									
	2010	130	—	—	120	—	—	5	725
	2011	800	—	45	800	—	—	—	950
	2012	460	—	—	300	—	—	100	150
	2013	85	—	9	219	—	—	—	25

Country or territory, by region	Year	Acetone (litres)	Anthranilic acid (kilograms)	Ethyl ether (litres)	Hydrochloric acid (litres)	Methyl ethyl ketone (litres)	Piperidine (litres)	Sulphuric acid (litres)	Toluene (litres)
Myanmar	2009	8 227	—	1 707	2 378	—	—	—	—
	2010	1 202	—	—	—	—	—	2 000	—
	2013	—	—	600	145	—	—	924	—
Philippines	2009	132	—	7	39	—	—	—	3
	2010	55	—	—	105	—	—	—	300
	2011	21	—	°	11	—	—	1	31 313
	2012	6 436	—	5	1 646	25	—	3 080	17 941
	2013	—	—	—	—	—	—	10	—
Thailand	2011	1	—	—	°	—	—	163	1
	2012	300	—	—	—	—	—	—	450
	2013	—	—	—	450	—	—	—	—
<b>Regional total</b>									
Regional total	2009	39 881	0	26 861	153 715	871	0	89 448	18 102
	2010	33 353	0	16 572	142 713	1 403	0	221 393	1 025
	2011	22 298	0	18 025	150 986	1 391	0	23 189	32 267
	2012	39 151	0	15 775	168 777	1 242	0	21 664	32 441
	2013	351 956	490 302	12 813	1 628 630	1 906	2	1 297 977	221 051
<b>South Asia</b>									
Bangladesh	2009	—	—	—	—	17 624	—	—	7
	2010	120	—	—	—	22 767	—	—	6

Country or territory, by region	Year	Acetone (litres)	Anthranilic acid (kilograms)	Ethyl ether (litres)	Hydrochloric acid (litres)	Methyl ethyl ketone (litres)	Piperidine (litres)	Sulphuric acid (litres)	Toluene (litres)
Maldives	2009	—	—	—	—	3	—	—	—
	2010	—	—	—	—	—	—	7 331 <sup>d</sup>	—
	2011	—	—	—	14	—	—	5	—
Regional total									
	2009	0	0	0	0	17 627	0	0	7
	2010	120	0	0	0	22 767	0	7 331	6
	2011	0	0	0	14	0	0	5	0
	2012	0	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0	0
West Asia									
Afghanistan	2009	—	—	—	6 150	—	—	—	—
	2010	—	—	—	5 286	—	—	—	—
	2011	—	—	—	120	—	—	—	—
	2012	—	—	—	—	—	—	3 764	—
	2013	174	—	—	4 705	—	—	—	—
Armenia	2009	°	—	—	°	—	—	°	—
	2011	°	—	—	°	—	—	°	—
	2012	—	—	—	°	—	—	—	—
	2013	—	—	°	°	—	—	—	—
Kazakhstan	2009	71	—	—	156	—	—	1 530	—
	2010	245	—	—	51 794	—	—	—	—
	2011	78	—	—	10 707	—	—	698	—



Country or territory, by region	Year	Acetone (litres)	Anthranilic acid (kilograms)	Ethyl ether (litres)	Hydrochloric acid (litres)	Methyl ethyl ketone (litres)	Piperidine (litres)	Sulphuric acid (litres)	Toluene (litres)
	2012	1	1	1	1 600	1	1	913	1
Kyrgyzstan									
	2010	1	1	1	1	1	1	94	1
	2012	1	1	1	98	1	1	3 703	1
	2013	1	1	1	1	1	1	4 386	1
Lebanon									
	2009	2	1	3	1	1	1	1	1
	2010	1	1	°	°	1	1	1	1
	2011	1	1	°	1	1	1	1	1
	2012	13	1	2 358	1	1	1	1	1
Pakistan									
	2009	1	1	1	8 220	1	1	1	1
	2010	1	1	1	7 110	1	1	1	1
	2012	1	1	1	1	1	1	326	1
	2013	1	1	1	925	1	1	326	1
Qatar									
	2013	565	1	1	407 363	1	1	443 814	597
Tajikistan									
	2011	1	1	1	1	1	1	6 803	1
	2012	1	1	1	1	14	1	1	1
Turkey									
	2011	3	1	1	1	1	1	°	1

Country or territory, by region	Year	Acetone (litres)	Anthranilic acid (kilograms)	Ethyl ether (litres)	Hydrochloric acid (litres)	Methyl ethyl ketone (litres)	Piperidine (litres)	Sulphuric acid (litres)	Toluene (litres)
Uzbekistan									
	2009	—	—	—	—	—	—	300	—
	2011	274	—	—	40	—	—	2 540	—
<b>Regional total</b>									
	2009	73	0	3	14 526	0	0	1 830	0
	2010	245	0	0	64 190	0	0	94	0
	2011	355	0	0	10 867	0	0	10 041	0
	2012	14	0	2 358	1 698	14	0	8 707	0
	2013	739	0	0	412 993	0	0	448 526	597
<b>Europe</b>									
<b>States not members of the European Union</b>									
Belarus									
	2009	17	—	3	1	1	—	5	1
	2010	—	—	—	2	2	—	—	—
	2013	—	—	—	—	—	—	10 751	—
Bosnia and Herzegovina									
	2010	—	—	—	—	—	—	550	—
Russian Federation									
	2009	1 252	—	109	1 088	—	—	247	239
	2010	555	—	7	846	—	—	54	118
	2011	—	—	—	48	—	—	66	—
	2012	—	—	—	26	—	—	91 433	—
	2013	—	—	—	5	—	—	15	—

<i>Country or territory, by region</i>	<i>Year</i>	<i>Acetone (litres)</i>	<i>Anthranilic acid (kilograms)</i>	<i>Ethyl ether (litres)</i>	<i>Hydrochloric acid (litres)</i>	<i>Methyl ethyl ketone (litres)</i>	<i>Piperidine (litres)</i>	<i>Sulphuric acid (litres)</i>	<i>Toluene (litres)</i>
Serbia	2012	—	—	—	—	—	—	—	20
Ukraine	2009	574	—	—	2 113	966	—	4 700	5 227
	2010	20 726	—	°	111 221	131	—	112 410	26 235
	2011	1 821	—	555	24 608	1 706	—	281 755	4 245
	2012	10 324	—	9 216	2 211	720	—	3 302	20 089
	2013	1 163	—	—	3 053	—	—	631	602
<b>States members of the European Union</b>									
Austria	2009	—	—	—	1	—	—	—	3
	2010	—	—	—	1	—	—	—	16
	2011	°	—	1	°	—	—	2	—
	2012	—	—	—	—	18	—	—	1
	2013	3	—	°	9	—	—	—	6
Belgium	2009	1 165	—	—	50	—	—	—	—
	2010	—	—	—	1 016	—	—	100	—
	2011	602	—	—	839	—	—	3 733	—
	2012	52	—	—	735	—	—	30	—
Bulgaria	2010	—	—	—	8	—	—	—	—
	2011	—	—	3	34	—	—	20	—
	2012	5	—	2	2	—	—	10	—
	2013	—	—	—	9	—	—	2	12

Country or territory, by region	Year	Acetone (litres)	Anthranilic acid (kilograms)	Ethyl ether (litres)	Hydrochloric acid (litres)	Methyl ethyl ketone (litres)	Piperidine (litres)	Sulphuric acid (litres)	Toluene (litres)
Czech Republic	2009	—	—	—	—	—	—	—	17
Estonia	2009	°	—	2	—	—	—	7	—
	2010	8	—	—	°	—	—	7	8
	2011	—	—	—	—	—	—	3	10
	2012	—	—	5	—	—	—	27	—
	2013	—	—	—	1	—	—	1	—
Finland	2011	6	—	—	23	—	—	1	1
	2012	—	—	—	—	—	—	3	—
France	2009	—	—	—	—	—	—	—	4 656
	2012	—	—	1	—	3 019	—	1	1
Germany	2009	10	—	7	64	—	—	128	322
	2010	31	—	2	25	—	—	12	19
	2011	17	—	5	77	63	—	8	9
	2012	94	—	97	717	—	—	71	1 164
	2013	12	—	°	15	1	—	48	20
Hungary	2009	°	—	—	—	—	—	1	—
	2010	15	—	2	—	—	—	1	20
	2011	37	—	7	11	—	—	4	6
	2012	35	—	7	11	—	—	—	—

<i>Country or territory, by region</i>	<i>Year</i>	<i>Acetone (litres)</i>	<i>Anthranilic acid (kilograms)</i>	<i>Ethyl ether (litres)</i>	<i>Hydrochloric acid (litres)</i>	<i>Methyl ethyl ketone (litres)</i>	<i>Piperidine (litres)</i>	<i>Sulphuric acid (litres)</i>	<i>Toluene (litres)</i>
Latvia	2013	75	—	2	—	—	—	°	—
	2012	81	—	°	24	—	—	12	—
Lithuania	2009	7	—	—	—	—	—	—	—
Netherlands	2009	720	—	5	701	—	—	182	—
	2010	1 434	—	—	6 178	375	—	522	942
	2011	6 485	—	—	8 429	—	—	12 404	—
	2012	1 245	—	—	4 567	—	—	2 020	—
	2013	—	—	—	19 988	—	—	8 165	1
Poland	2010	—	—	—	—	—	—	61	—
	2011	58	—	4	45	—	—	58	103
	2012	285	—	—	3 575	—	—	148	15
	2013	—	—	—	40	—	—	1 436	—
Portugal	2012	°	—	—	—	—	—	—	—
	2013	3	—	—	2	—	—	1	—
Romania	2012	3	—	—	—	—	—	—	—
Slovakia	2009	1	—	—	13	—	—	1	36

Country or territory, by region	Year	Acetone (litres)	Anthranilic acid (kilograms)	Ethyl ether (litres)	Hydrochloric acid (litres)	Methyl ethyl ketone (litres)	Piperidine (litres)	Sulphuric acid (litres)	Toluene (litres)
	2010	—	—	—	4	—	—	—	32
	2011	3	—	—	13	—	—	—	28
	2012	1	—	—	2	—	—	—	20
	2013	—	—	—	8	—	—	—	6
Spain	2009	3 705	—	74	207	256	—	93	42
	2010	442	—	66	55	43	—	35	4
	2011	1	—	°	1	1	—	1	°
	2012	425	—	287	990	123	50	30	33
	2013	1 190	—	297	490	2 197	—	1 086 979	11 511 987
Sweden									
	2011	—	°	—	—	—	—	—	—
United Kingdom									
	2010	—	—	—	1	—	—	—	—
	2012	—	—	21	—	385	—	—	—
	2013	—	—	—	—	—	—	20	—
<b>Regional total</b>									
	2009	7 451	0	200	4 238	1 223	0	5 364	10 543
	2010	23 211	0	77	119 357	551	0	113 752	27 394
	2011	9 030	0	575	34 128	1 770	0	298 055	4 402
	2012	12 550	0	9 636	12 860	4 265	50	97 087	21 343
	2013	2 446	0	299	23 620	2 198	0	1 108 049	11 512 634
<b>Oceania</b>									
Australia									
	2009	2 027	—	—	40	—	—	43	—

Country or territory, by region	Year	Acetone (litres)	Anthranilic acid (kilograms)	Ethyl ether (litres)	Hydrochloric acid (litres)	Methyl ethyl ketone (litres)	Piperidine (litres)	Sulphuric acid (litres)	Toluene (litres)
New Zealand	2010	54	—	30	214	°	—	278	25
	2011	51	—	1	88	—	—	9	14
	2012	130	—	—	112	16	—	62	83
	2009	172	—	3	232	—	—	83	321
	2010	200	—	6	752	134	—	244	1 434
Regional total	2011	203	—	—	308	26	—	28	476
	2012	93	—	—	137	—	—	10	682
	2013	108	—	—	263	13	—	74	835
	2009	2 199	0	3	272	0	0	126	321
	2010	254	0	36	966	134	0	522	1 459
World total	2011	254	0	1	396	26	0	37	490
	2012	223	0	0	249	16	0	72	765
	2013	108	0	0	263	13	0	74	835
	2009	1 626 060	0	33 920	486 664	74 203	43	505 172	53 379
	2010	846 973	0	48 683	793 226	86 894	90	1 042 622	125 873
World total	2011	696 666	0	20 970	679 785	7 343	12	2 040 787	142 307
	2012	986 216	0	60 854	504 165	11 069	257	512 447	126 932
	2013	1 038 127	490 302	43 708	2 332 545	9 264	59	4 146 274	11 749 436

<sup>a</sup> The exact quantity of the seizures was not specified.

<sup>b</sup> Organization of American States, Inter-American Drug Abuse Control Commission, *Bolivia: Evaluation of Progress in Drug Control, 2007-2009* (Washington, D.C., 2010).

<sup>c</sup> For statistical purposes, the data for China do not include those for the Hong Kong Special Administrative Region of China and the Macao Special Administrative Region of China.

<sup>d</sup> Reported on form B: annual estimates of requirements of narcotic drugs, manufacture of synthetic drugs, opium production and cultivation of the opium poppy for purposes other than opium production.

## Annex IX

### Submission of information by Governments on licit trade in, uses of and requirements for substances in Tables I and II of the 1988 Convention for the years 2009-2013

Governments of the countries and territories indicated have provided information on licit trade in, uses of and requirements for substances in Tables I and II of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances of 1988 on form D for the years 2009-2013. That information was requested in accordance with Economic and Social Council resolution 1995/20 of 24 July 1995. Details may be made available on a case-by-case basis, subject to confidentiality of data.

*Notes:* The names of non-metropolitan territories and special administrative regions are in italics.

"X" signifies that relevant information was submitted on form D.

Country or territory	2009		2010		2011		2012		2013	
	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements
Afghanistan	X	X					X	X	X	X
Albania	X	X	X	X	X	X	X	X	X	X
Algeria	X	X	X	X	X	X	X	X	X	X
Andorra							X	X	X	X
Angola										
<i>Anguilla</i>										
Antigua and Barbuda										
Argentina	X	X	X	X	X	X	X	X	X	X
Armenia	X	X	X	X	X	X	X	X	X	X
<i>Aruba</i>										
<i>Ascension Island</i>										
Australia	X	X	X	X	X	X	X	X	X	X
Austria <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Azerbaijan	X	X	X	X	X	X	X	X	X	X
Bahamas										
Bahrain		X	X							
Bangladesh	X	X	X	X	X	X	X	X	X	X
Barbados									X	X
Belarus	X	X	X	X	X	X	X	X	X	X
Belgium <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Belize	X								X	X
Benin	X	X	X	X	X	X	X	X		
<i>Bermuda</i>										
Bhutan			X	X	X	X	X	X		
Bolivia (Plurinational State of)	X	X	X	X	X	X	X	X	X	X



Country or territory	2009		2010		2011		2012		2013	
	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements
Bosnia and Herzegovina	X	X			X	X	X	X	X	X
Botswana										
Brazil	X	X	X	X			X	X	X	X
<i>British Virgin Islands</i>										
Brunei Darussalam	X	X	X	X	X	X	X	X	X	X
Bulgaria <sup>a</sup>	X	X	X	X	X		X	X	X	X
Burkina Faso					X	X				
Burundi										
Cabo Verde										
Cambodia	X	X	X	X			X			
Cameroon					X		X	X		
Canada	X	X	X	X	X	X	X	X	X	X
<i>Cayman Islands</i>										
Central African Republic										
Chad										
Chile	X	X	X	X	X	X	X	X	X	X
China	X	X	X	X	X	X	X	X	X	X
<i>Hong Kong SAR of China</i>	X	X	X	X			X	X	X	X
<i>Macao SAR of China</i>	X	X	X	X			X	X	X	X
<i>Christmas Island</i>					X	X			X	
<i>Cocos (Keeling) Islands</i>										
Colombia	X	X	X	X	X	X	X	X	X	X
Comoros										
Congo										
Cook Islands					X	X				
Costa Rica	X	X	X	X	X	X	X	X	X	X
Côte d'Ivoire	X	X	X	X	X	X	X	X	X	X
Croatia <sup>a</sup>	X		X		X		X	X	X	X
Cuba	X	X	X	X	X	X				
<i>Curaçao</i> <sup>b</sup>			X	X	X	X	X	X	X	X
Cyprus <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Czech Republic	X	X	X	X	X	X	X	X	X	X
Democratic People's Republic of Korea	X	X		X		X		X		X
Democratic Republic of the Congo	X	X	X		X	X	X	X	X	
Denmark <sup>a</sup>	X		X		X		X	X	X	
Djibouti										
Dominica										
Dominican Republic	X	X	X	X					X	X

# PRECURSORS

Country or territory	2009		2010		2011		2012		2013	
	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements
Ecuador	X	X	X	X	X	X	X	X	X	X
Egypt	X	X	X	X	X	X	X	X	X	X
El Salvador	X	X	X	X	X	X	X	X	X	X
Equatorial Guinea										
Eritrea	X	X	X	X	X	X	X	X		
Estonia <sup>a</sup>	X	X	X	X	X	X	X	X		X
Ethiopia	X	X			X	X	X	X	X	X
Falkland Islands (Malvinas)	X	X	X	X	X	X	X	X	X	X
Fiji					X	X				
Finland <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
France <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
French Polynesia										
Gabon										
Gambia									X	X
Georgia	X	X	X	X	X	X	X	X	X	X
Germany <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Ghana	X	X	X	X	X	X	X	X	X	X
Gibraltar										
Greece <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Grenada										
Guatemala	X	X	X	X			X	X	X	X
Guinea										
Guinea-Bissau										
Guyana	X	X		X						
Haiti	X	X	X	X	X	X			X	X
Holy See										
Honduras					X	X	X	X	X	X
Hungary <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Iceland	X	X	X	X	X	X	X	X	X	X
India	X	X	X	X	X	X	X	X	X	X
Indonesia			X	X	X	X	X	X	X	X
Iran (Islamic Republic of)	X	X	X	X					X	X
Iraq	X	X	X	X	X	X				
Ireland <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Israel	X	X	X	X	X	X	X	X	X	X
Italy <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Jamaica	X	X	X	X					X	X
Japan	X	X	X	X	X	X	X	X	X	X
Jordan	X	X	X	X	X	X	X	X	X	X

Country or territory	2009		2010		2011		2012		2013	
	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements
Kazakhstan	X	X	X	X	X	X			X	X
Kenya	X	X	X	X						
Kiribati										
Kuwait							X	X	X	X
Kyrgyzstan	X	X	X	X	X	X	X	X	X	X
Lao People's Democratic Republic	X	X	X	X	X	X	X	X	X	X
Latvia <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Lebanon	X	X	X	X	X	X	X	X	X	X
Lesotho										
Liberia					X					
Libya										
Liechtenstein <sup>c</sup>										
Lithuania <sup>a</sup>	X	X	X	X	X	X		X	X	X
Luxembourg <sup>a</sup>	X	X	X							
Madagascar	X	X	X	X					X	X
Malawi										
Malaysia	X	X	X	X	X	X	X	X	X	X
Maldives			X	X	X	X	X	X	X	X
Mali									X	X
Malta <sup>a</sup>	X	X	X	X	X	X		X	X	X
Marshall Islands										
Mauritania										
Mauritius			X	X	X	X	X	X		
Mexico	X	X	X	X	X	X	X	X	X	X
Micronesia (Federated States of)									X	X
Monaco										
Mongolia	X		X	X	X		X	X	X	
Montenegro	X	X	X	X	X	X	X	X	X	X
Montserrat				X			X	X	X	X
Morocco	X	X	X	X	X	X	X	X	X	X
Mozambique			X	X						
Myanmar	X	X	X	X	X	X	X	X	X	X
Namibia										
Nauru										
Nepal									X	X
Netherlands <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
New Caledonia										
New Zealand	X	X	X	X	X	X	X	X	X	X

# PRECURSORS

Country or territory	2009		2010		2011		2012		2013	
	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements
Nicaragua	X	X	X	X	X	X	X	X	X	X
Niger										
Nigeria					X	X	X	X	X	X
Niue										
Norfolk Island										
Norway	X	X	X	X			X	X		
Oman	X									
Pakistan	X	X	X	X	X	X	X	X	X	X
Palau										
Panama	X	X	X	X	X	X	X	X	X	X
Papua New Guinea										
Paraguay	X	X	X		X	X				
Peru	X	X	X	X	X	X	X	X	X	X
Philippines	X	X	X	X	X	X	X	X	X	X
Poland <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Portugal <sup>a</sup>	X	X	X		X		X		X	X
Qatar					X	X			X	X
Republic of Korea	X	X	X	X	X	X	X	X	X	X
Republic of Moldova	X	X	X	X	X	X	X	X	X	X
Romania <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Russian Federation	X	X	X	X	X	X	X	X	X	X
Rwanda										
Saint Helena	X	X			X	X				
Saint Kitts and Nevis										
Saint Lucia							X	X	X	X
Saint Vincent and the Grenadines							X	X	X	X
Samoa							X	X		
San Marino										
Sao Tome and Principe										
Saudi Arabia	X	X	X		X		X		X	X
Senegal	X	X	X						X	X
Serbia	X	X	X	X	X	X	X	X	X	X
Seychelles					X	X	X	X		
Sierra Leone										
Singapore	X	X	X	X	X	X	X	X	X	X
Sint Maarten <sup>b</sup>										
Slovakia <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Slovenia <sup>a</sup>	X	X	X	X	X	X	X	X	X	X

Country or territory	2009		2010		2011		2012		2013	
	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements	Trade	Uses and/or requirements
Solomon Islands										
Somalia										
South Africa	X	X							X	X
South Sudan <sup>d</sup>										
Spain <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Sri Lanka	X	X	X		X	X	X	X	X	X
Sudan										
Suriname										
Swaziland										
Sweden <sup>a</sup>	X	X	X	X	X	X	X	X	X	X
Switzerland	X	X	X	X	X	X	X	X	X	X
Syrian Arab Republic	X	X	X	X			X	X	X	X
Tajikistan	X	X	X	X	X	X	X	X	X	X
Thailand	X	X	X	X	X	X	X	X	X	X
The former Yugoslav Republic of Macedonia			X	X						
Timor-Leste										
Togo							X	X		
Tonga										
Trinidad and Tobago	X	X	X	X	X	X	X	X	X	X
<i>Tristan da Cunha</i>										
Tunisia	X	X	X	X	X	X	X	X	X	X
Turkey	X	X	X	X	X	X	X	X	X	X
Turkmenistan							X	X	X	X
<i>Turks and Caicos Islands</i>										
Tuvalu					X	X				
Uganda	X	X	X	X	X	X	X	X	X	X
Ukraine	X	X	X	X	X	X	X	X		
United Arab Emirates	X	X	X	X	X	X	X	X	X	X
United Kingdom <sup>a</sup>	X	X	X	X	X	X	X	X		
United Republic of Tanzania	X	X	X	X	X	X	X	X	X	X
United States of America	X	X	X	X	X	X	X	X	X	X
Uruguay	X		X	X	X	X	X	X	X	X
Uzbekistan	X	X	X	X	X	X	X	X	X	X
Vanuatu					X	X				
Venezuela (Bolivarian Republic of)	X	X	X	X	X	X	X	X	X	X
Viet Nam	X	X	X	X	X	X	X	X	X	X
<i>Wallis and Futuna Islands</i>										
Yemen	X		X		X	X	X	X		

# PRECURSORS

<i>Country or territory</i>	2009		2010		2011		2012		2013	
	<i>Trade</i>	<i>Uses and/or requirements</i>	<i>Trade</i>	<i>Uses and/or requirements</i>	<i>Trade</i>	<i>Uses and/or requirements</i>	<i>Trade</i>	<i>Uses and/or requirements</i>	<i>Trade</i>	<i>Uses and/or requirements</i>
Zambia										
Zimbabwe	X	X	X	X		X			X	X
<b>Total number of Governments that submitted form D</b>	124	118	123	115	120	114	120	120	125	123
<b>Total number of Governments requested to provide information</b>	212	212	213	213	213	213	213	213	213	213

<sup>a</sup> State member of the European Union.

<sup>b</sup> The Netherlands Antilles was dissolved on 10 October 2010, resulting in two new constituent entities, Curaçao and Sint Maarten.

<sup>c</sup> The Government of Switzerland includes on form D licit trade data for Liechtenstein.

<sup>d</sup> By its resolution 65/308 of 14 July 2011, the General Assembly decided to admit South Sudan to membership in the United Nations.

## Annex X

### Governments that have requested pre-export notifications pursuant to article 12, paragraph 10 (a), of the 1988 Convention

1. Governments of all exporting countries and territories are reminded that it is an obligation to provide pre-export notifications to Governments that have requested them pursuant to article 12, paragraph 10 (a), of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances of 1988, which provides that:

“... upon request to the Secretary-General by the interested Party, each Party from whose territory a substance in Table I is to be exported shall ensure that, prior to such export, the following information is supplied by its competent authorities to the competent authorities of the importing country:

“(i) Name and address of the exporter and importer and, when available, the consignee;

“(ii) Name of the substance in Table I;

“(iii) Quantity of the substance to be exported;

“(iv) Expected point of entry and expected date of dispatch;

“(v) Any other information which is mutually agreed upon by the Parties.”

2. Governments that have requested pre-export notifications under the above provisions are listed in the table below in alphabetical order, followed by the substance (or substances) to which the provisions apply and the date of notification of the request transmitted by the Secretary-General to Governments.

3. Governments may wish to note the possibility of requesting that a pre-export notification for all substances listed in Table II of the 1988 Convention be sent as well.

<i>Notifying Government</i>	<i>Substances to which the pre-export notification requirement applies</i>	<i>Date of communication to Governments by the Secretary-General</i>
Afghanistan <sup>a</sup>	All substances included in Tables I and II	13 July 2010
Algeria <sup>a</sup>	All substances included in Tables I and II	10 October 2013
Antigua and Barbuda <sup>a</sup>	All substances included in Tables I and II	5 May 2000
Argentina	All substances included in Table I	19 November 1999
Armenia <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	4 July 2013
Australia <sup>a</sup>	All substances included in Tables I and II	12 February 2010
Austria	All substances included in Table I	19 May 2000 <sup>d</sup>
Azerbaijan <sup>a</sup>	All substances included in Tables I and II	21 January 2011
Barbados <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	24 October 2013
Belarus <sup>e</sup>	Acetic anhydride, ephedrine, potassium permanganate and pseudoephedrine	12 October 2000
Belgium	All substances included in Table I	19 May 2000
Benin <sup>a</sup>	All substances included in Tables I and II	4 February 2000

# PRECURSORS

<i>Notifying Government</i>	<i>Substances to which the pre-export notification requirement applies</i>	<i>Date of communication to Governments by the Secretary-General</i>
Bolivia (Plurinational State of) <sup>a</sup>	Acetic anhydride, acetone, ethyl ether, hydrochloric acid, potassium permanganate and sulphuric acid	12 November 2001
Brazil <sup>a</sup>	All substances included in Tables I and II	15 October 1999 and 15 December 1999
Bulgaria	All substances included in Table I	19 May 2000 <sup>d</sup>
Canada <sup>a</sup>	All substances included in Tables I and II	31 October 2005
Cayman Islands <sup>a</sup>	All substances included in Tables I and II	7 September 1998
Chile <sup>a</sup>	All substances included in Tables I and II	19 October 2012
China	Acetic anhydride	20 October 2000
<i>Hong Kong SAR of China<sup>a</sup></i>	All substances included in Tables I and II	28 December 2012
<i>Macao SAR of China<sup>a</sup></i>	All substances included in Tables I and II	28 December 2012
Colombia <sup>a</sup>	All substances included in Tables I and II	14 October 1998
Costa Rica <sup>a</sup>	All substances included in Tables I and II	27 September 1999
Côte d'Ivoire <sup>a</sup>	All substances included in Tables I and II	26 June 2013
Croatia	All substances included in Table I	19 May 2000 <sup>d</sup>
Cyprus	All substances included in Table I	19 May 2000 <sup>d</sup>
Czech Republic	All substances included in Table I	19 May 2000 <sup>d</sup>
Denmark	All substances included in Table I	19 May 2000 <sup>d</sup>
<i>Faroe Islands</i>	All substances included in Table I	19 May 2000 <sup>d</sup>
<i>Greenland</i>	All substances included in Table I	19 May 2000 <sup>d</sup>
Dominican Republic <sup>a</sup>	All substances included in Tables I and II	11 September 2002
Ecuador <sup>a</sup>	All substances included in Tables I and II	1 August 1996
Egypt <sup>a</sup>	All substances included in Table I and acetone	3 December 2004
El Salvador <sup>a</sup>	All substances included in Tables I and II	29 July 2010
Estonia	All substances included in Table I	19 May 2000
Ethiopia <sup>a</sup>	All substances included in Tables I and II	17 December 1999
European Union (on behalf of all its States members) <sup>f</sup>	All substances included in Table I	19 May 2000 <sup>d</sup>
Finland	All substances included in Table I	19 May 2000 <sup>d</sup>
France	All substances included in Table I	19 May 2000 <sup>d</sup>
<i>French Guyana</i>	All substances included in Table I	19 May 2000 <sup>d</sup>
<i>French Polynesia</i>	All substances included in Table I	19 May 2000 <sup>d</sup>
<i>Martinique</i>	All substances included in Table I	19 May 2000 <sup>d</sup>
<i>Mayotte</i>	All substances included in Table I	19 May 2000 <sup>d</sup>
<i>New Caledonia</i>	All substances included in Table I	19 May 2000 <sup>d</sup>
<i>Reunion</i>	All substances included in Table I	19 May 2000 <sup>d</sup>
<i>Saint Pierre and Miquelon</i>	All substances included in Table I	19 May 2000 <sup>d</sup>
<i>Wallis and Futuna Islands</i>	All substances included in Table I	19 May 2000 <sup>d</sup>
Germany	All substances included in Table I	19 May 2000 <sup>d</sup>
Ghana <sup>a</sup>	All substances included in Tables I and II	26 February 2010
Greece	All substances included in Table I	19 May 2000 <sup>d</sup>
Haiti <sup>a</sup>	All substances included in Tables I and II	20 June 2002
Hungary	All substances included in Table I	19 May 2000 <sup>d</sup>
India <sup>a</sup>	All substances included in Tables I and II	23 March 2000



<i>Notifying Government</i>	<i>Substances to which the pre-export notification requirement applies</i>	<i>Date of communication to Governments by the Secretary-General</i>
Indonesia <sup>a</sup>	Acetic anhydride, <i>N</i> -acetylthranilic acid, anthranilic acid, ephedrine, ergometrine, ergotamine, isosafrole, 3,4-methylenedioxyphephenyl-2-propanone, phenylacetic acid, 1-phenyl-2-propanone, piperonal, pseudoephedrine and safrole	18 February 2000
Iraq <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	31 July 2013
Ireland	All substances included in Table I	19 May 2000 <sup>d</sup>
Italy	All substances included in Table I	19 May 2000 <sup>d</sup>
Jamaica	All substances included in Table I <sup>b,c</sup>	4 July 2013
Japan	All substances included in Table I	17 December 1999
Jordan <sup>a</sup>	All substances included in Tables I and II	15 December 1999
Kazakhstan <sup>a</sup>	All substances included in Tables I and II	15 August 2003
Kenya <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	10 October 2013
Kyrgyzstan <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	21 October 2013
Latvia	All substances included in Table I	19 May 2000 <sup>d</sup>
Lebanon <sup>a</sup>	All substances included in Tables I and II	14 June 2002
Libya <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	21 August 2013
Lithuania	All substances included in Table I	19 May 2000 <sup>d</sup>
Luxembourg	All substances included in Table I	19 May 2000 <sup>d</sup>
Madagascar <sup>a</sup>	All substances included in Tables I and II	31 March 2003
Malaysia <sup>a</sup>	All substances included in Table I, <sup>b</sup> anthranilic acid, ethyl ether and piperidine	21 August 1998
Maldives <sup>a</sup>	All substances included in Tables I and II	6 April 2005
Malta	All substances included in Table I	19 May 2000 <sup>d</sup>
Mexico <sup>a</sup>	All substances included in Tables I and II	6 April 2005
Micronesia (Federal States of) <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	11 February 2014
Netherlands	All substances included in Table I	19 May 2000 <sup>d</sup>
New Zealand <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	3 April 2014
Nicaragua <sup>a</sup>	All substances included in Tables I and II	8 January 2014
Nigeria <sup>a</sup>	All substances included in Tables I and II	28 February 2000
Norway <sup>a</sup>	All substances included in Table I, <sup>c</sup> anthranilic acid, ethyl ether, piperidine	17 December 2013
Oman <sup>a</sup>	All substances included in Tables I and II	16 April 2007
Pakistan <sup>a</sup>	All substances included in Tables I and II	12 November 2001 and 6 March 2013
Panama	Ephedrine, ergometrine, ergotamine, norephedrine and pseudoephedrine	14 August 2013
Paraguay <sup>a</sup>	All substances included in Tables I and II	3 February 2000
Peru <sup>a</sup>	Acetic anhydride, acetone, ephedrine, ergometrine, ergotamine, ethyl ether, hydrochloric acid, lysergic acid, methyl ethyl ketone, norephedrine, potassium permanganate, pseudoephedrine, sulphuric acid and toluene	27 September 1999
Philippines <sup>a</sup>	All substances included in Tables I and II	16 April 1999
Poland	All substances included in Table I	19 May 2000 <sup>d</sup>
Portugal	All substances included in Table I	19 May 2000 <sup>d</sup>
Qatar <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	16 July 2013
Republic of Korea <sup>a</sup>	All substances included in Table I and acetone	3 June 2008

# PRECURSORS

<i>Notifying Government</i>	<i>Substances to which the pre-export notification requirement applies</i>	<i>Date of communication to Governments by the Secretary-General</i>
Republic of Moldova <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	29 December 1998 and 8 November 2013
Romania	All substances included in Table I	19 May 2000 <sup>d</sup>
Russian Federation <sup>a</sup>	Acetic anhydride, ephedrine, ergometrine, ergotamine, 3,4-methylenedioxyphenyl-2-propanone, norephedrine, phenylacetic acid, 1-phenyl-2-propanone, potassium permanganate, pseudoephedrine and all substances included in Table II	21 February 2000
Saint Vincent and the Grenadines	All substances included in Tables I and II <sup>b,c</sup>	16 July 2013
Saudi Arabia <sup>a</sup>	All substances included in Tables I and II	18 October 1998
Sierra Leone <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	5 July 2013
Singapore	All substances included in Table I	5 May 2000
Slovakia	All substances included in Table I	19 May 2000 <sup>d</sup>
Slovenia	All substances included in Table I	19 May 2000 <sup>d</sup>
South Africa <sup>a</sup>	All substances included in Table I and anthranilic acid	11 August 1999
Spain	All substances included in Table I	19 May 2000 <sup>d</sup>
Sri Lanka	All substances included in Table I	19 November 1999
Sweden	All substances included in Table I	19 May 2000 <sup>d</sup>
Switzerland	All substances included in Table I	25 March 2013
Syrian Arab Republic <sup>a</sup>	All substances included in Tables I and II	24 October 2013
Tajikistan <sup>a</sup>	All substances included in Tables I and II	7 February 2000
Thailand <sup>a</sup>	All substances included in Table I (except potassium permanganate) and anthranilic acid <sup>b</sup>	18 October 2010
Togo <sup>a</sup>	All substances included in Tables I and II	6 August 2013
Tonga <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	4 July 2013
Trinidad and Tobago <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	15 August 2013
Turkey <sup>a</sup>	All substances included in Tables I and II	2 November 1995
Uganda <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	6 May 2014
United Arab Emirates <sup>a</sup>	All substances included in Tables I <sup>b</sup> and II	26 September 1995
United Kingdom	All substances included in Table I	19 May 2000 <sup>d</sup>
United Republic of Tanzania <sup>a</sup>	All substances included in Tables I and II	10 December 2002
United States of America	Acetic anhydride, ephedrine and pseudoephedrine	2 June 1995 and 19 January 2001
<i>American Samoa</i>	Acetic anhydride, ephedrine and pseudoephedrine	2 June 1995 and 19 January 2001
<i>Guam</i>	Acetic anhydride, ephedrine and pseudoephedrine	2 June 1995 and 19 January 2001
<i>Northern Mariana Islands</i>	Acetic anhydride, ephedrine and pseudoephedrine	2 June 1995 and 19 January 2001
<i>Puerto Rico</i>	Acetic anhydride, ephedrine and pseudoephedrine	2 June 1995 and 19 January 2001
<i>United States Virgin Islands</i>	Acetic anhydride, ephedrine and pseudoephedrine	2 June 1995 and 19 January 2001
Venezuela (Bolivarian Republic of) <sup>a</sup>	All substances included in Tables I and II	27 March 2000
Yemen <sup>a</sup>	All substances included in Tables I and II	6 May 2014
Zimbabwe <sup>a</sup>	All substances included in Tables I and II <sup>b,c</sup>	4 July 2013

Notes: The names of territories are in italics. Territories not subject to a separate request for pre-export notification are listed under the country concerned.

<sup>a</sup> The Secretary-General has informed all Governments of the request of the notifying Government to receive a pre-export notification for some or all substances listed in Table II of the 1988 Convention as well.

<sup>b</sup> Government requested to receive pre-export notifications for pharmaceutical preparations containing ephedrine and pseudoephedrine as well.

- <sup>c</sup> Government requested to receive pre-export notifications for safrole-rich oils as well.
- <sup>d</sup> On 19 May 2000, the Secretary-General communicated to Governments the request by the European Commission, on behalf of the States members of the European Union, to receive pre-export notifications for the indicated substances.
- <sup>e</sup> Not yet notified by the Secretary-General as, in a subsequent communication, the Government of Belarus requested the Secretary-General to suspend such notification until a national mechanism to receive and process pre-export notifications is established.
- <sup>f</sup> Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom of Great Britain and Northern Ireland.

## Annex XI

### Licit uses of the substances in Tables I and II of the 1988 Convention

Knowledge of the most common licit uses of substances in Tables I and II of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances of 1988, including the processes and end products in which the substances may be used, is essential to the verification of the legitimacy of orders or shipments. The most common licit uses of those substances reported to the International Narcotics Control Board are as follows:

<i>Substance</i>	<i>Licit uses</i>
Acetic anhydride	Acetylating and dehydrating agent used in the chemical and pharmaceutical industries for the manufacture of cellulose acetate, for textile sizing agents and cold bleaching activators, for polishing metals and for the production of brake fluids, dyes and explosives
Acetone	Common solvent in the chemical and pharmaceutical industries; used in the production of lubricating oils and as an intermediate in the manufacture of chloroform and in the manufacture of plastics, paints, varnishes and cosmetics
<i>N</i> -Acetylanthranilic acid	Used in the manufacture of pharmaceuticals, plastics and fine chemicals
Anthranilic acid	Chemical intermediate used in the manufacture of dyes, pharmaceuticals and perfumes; also used in the preparation of bird and insect repellents
Ephedrine	Used in the manufacture of bronchodilators (cough medicines)
Ergometrine	Used in the treatment of migraine and as an oxytocic in obstetrics
Ergotamine	Used in the treatment of migraine and as an oxytocic in obstetrics
Ethyl ether	Commonly used solvent in chemical laboratories and in the chemical and pharmaceutical industries; mainly used as an extractant for fats, oils, waxes and resins; also used for the manufacture of munitions, plastics and perfumes and, in medicine, as a general anaesthetic
Hydrochloric acid	Used in the production of chlorides and hydrochlorides, for the neutralization of basic systems and as a catalyst and solvent in organic synthesis
Isosafrole	Used in the manufacture of piperonal; to modify "oriental perfumes"; to strengthen soap perfumes; in small quantities, together with methyl salicylate, in root beer and sarsaparilla flavours; and as a pesticide
Lysergic acid	Used in organic synthesis
3,4-Methylenedioxyphenyl-2-propanone	Used in the manufacture of piperonal and other perfume components
Methyl ethyl ketone	Common solvent; used in the manufacture of coatings, solvents, degreasing agents, lacquers, resins and smokeless powders
Norephedrine	Used in the manufacture of nasal decongestants and appetite suppressants