

**Table 22. Evidence table of case reports - Death**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Death 11/03/1999 21 yo Male Ephedra FDA Case (13914)	Hydroxycut 10.0 mg <6 hours; < 48 hours Ripped Fuel Unknown Not described; not described	Autopsy conducted: Yes	Sentinel event
Death 09/26/2000 22 yo Female Ephedra FDA Case (14390)	Slacker II Unknown Not described; 14-60 days (acute)	Autopsy conducted: Yes	Sentinel event
Death 30 yo Female Ephedrine FDA Case (3275432)	MiniTabs 250.0 mg Not described; >60 days (chronic)	Autopsy conducted: Yes	Sentinel event
Death 33 yo Male Ephedrine FDA Case (3289590)	Max Brand Two-Way 150.0 mg Not described; Not described	Autopsy conducted: Yes	Sentinel event
Death 28 yo Male Ephedrine Literature Case (348)	Insufficient information Unknown <24 hours; >60 days (chronic)	Autopsy conducted: Yes	Sentinel event
Death 05/19/1994 36 yo Female Ephedra FDA Case (9508)	Nature's Nutrition-Formula One Unknown Not described; >60 days (chronic)	Autopsy conducted: Yes	Possible sentinel event
Death 03/09/1995 32 yo Male Ephedra FDA Case (10276)	Nature's Nutrition-Formula One Unknown Not described; >60 days (chronic)	Autopsy conducted: Yes	Possible sentinel event

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Deaths (continued)**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Death 07/25/1997 38 yo Male Ephedra FDA Case (12485)	Ripped Fuel 43.2 mg <6 hours; >60 days (chronic)	Autopsy conducted: Yes	Possible sentinel event
Death 12/19/1997 21 yo Male Ephedra FDA Case (12722)	Thermogenics Plus 23.1 mg Not described; Not described	Autopsy conducted: Yes	Possible sentinel event
Death 04/11/1998 15 yo Female Ephedra FDA Case (12843)	Ripped Fuel 40.0 mg <6 hours; Not described	Autopsy conducted: Yes	Possible sentinel event
Death 08/03/1999 26 yo Male Ephedra FDA Case (13906)	Ripped Fuel Unknown Not described; 2-13 days (acute)	Autopsy conducted: Yes	Possible sentinel event
Death 02/16/2000 26 yo Female Ephedra FDA Case (14019)	Diet Fuel 26.6 mg Not described; >60 days (chronic)	Autopsy conducted: Yes	Possible sentinel event
Death 01/09/2001 35 yo Male Ephedra FDA Case (14638)	Hydroxycut 20.0 mg 6-24 hours; 2-13 days	Autopsy conducted: Yes	Possible sentinel event
Death 23 yo Male Ephedra Literature Case (258)	Ripped Fuel 50.0 mg Not described; >60 days (chronic)	Autopsy conducted: Yes	Possible sentinel event

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Deaths (continued)**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Death 42 yo Male Ephedrine Literature Case (44)	Street drug (“speed”) 306.0 mg Not described; >60 days (chronic)	Autopsy conducted: Yes	Possible sentinel event
Death 84 yo Female Ephedrine Literature Case (44)	Unknown Unknown Not described; Not described	Autopsy conducted: Yes	Possible sentinel event
Death Literature Case Ephedrine 44 yo Male (224)	Insufficient information Unknown <24 hours; 14-60 days (acute)	Autopsy conducted: Yes	Possible sentinel event
Death 31 yo Female Ephedrine FDA Case (313104)	Ephedrine Unknown <6 hours; <48 hours	Autopsy conducted: No	Intraoperative ephedrine
Death 30 yo Female Literature Case (17)	Insufficient information Unknown Not described; Not described	Autopsy conducted: Yes	Suicide
Death 19 yo Female Literature Case (96)	Insufficient information Unknown <6 hours; Not described	Autopsy conducted: Yes	Suicide
Death 21 yo Male Literature Case (96)	Insufficient information Unknown <6 hours; Not described	Autopsy conducted: Yes	Suicide
Death 06/11/1999 24 yo Male Ephedra FDA Case (13672)	Ripped Fuel Unknown <6 hours; < 48 hours	Autopsy conducted: Yes	Probably not related
Death 40 yo Male Ephedrine FDA Case (1859087)	Max Alert Not described Not described	Autopsy conducted: No	Probably not related

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Deaths (continued)**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Death Not described yo Male Ephedrine FDA Case (1902493)	Unknown Not described Not described	Autopsy conducted: Yes	Probably not related
Death 30 yo Male Ephedrine FDA Case (3491515)	Insufficient information Unknown Not described; Not described	Autopsy conducted: Yes	Probably not related
Death 29 yo Male Ephedrine FDA Case (3772362)	Insufficient information Unknown Not described; Not described	Autopsy conducted: Yes	Probably not related
Death 03/10/1994 23 yo Male Ephedra FDA Case (9188)	Cybergenics Body Builder Unknown Not described; 14-60 days (acute)	Autopsy conducted: No	Insufficient information
Death 06/09/1994 44 yo Male Ephedra FDA Case (9327)	Asian Herbal High Energy Unknown Not described; >60 days (chronic)	Autopsy conducted: No	Insufficient information
Death 06/14/1994 43 yo Female Ephedra FDA Case (9395)	Nature's Nutrition-Formula One Unknown Not described; 14-60 days (acute) Nature Nutritional Complex 1 Unknown Not described; Not described	Autopsy conducted: No	Insufficient information
Death 06/20/1994 36 yo Female Ephedra FDA Case (9473)	Nature's Nutrition-Formula One Unknown Not described; >60 days (chronic)	Autopsy conducted: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Deaths (continued)**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Death 05/24/1994 43 yo Female Ephedra FDA Case (9506)	Nature's Nutrition-Formula One Unknown Not described; >60 days (chronic)	Autopsy conducted: No	Insufficient information
Death 09/07/1994 45 yo Male Ephedra FDA Case (9864)	Nature's Nutrition-Formula One Unknown Not described; 14-60 days (acute)	Autopsy conducted: Yes	Insufficient information
Death 04/07/1995 26 yo Male Ephedra FDA Case (10104)	Natural Trim Unknown Not described; 14-60 days (acute)	Autopsy conducted: Yes	Insufficient information
Death 01/12/1993 43 yo Male Ephedra FDA Case (10251)	Omnitrition Herbal Tea 39.0 mg Not described; >60 days (chronic)	Autopsy conducted: Yes	Insufficient information
Death 06/14/1995 61 yo Female Ephedra FDA Case (10296)	New Image Plus Unknown >24 hours; 14-60 days (acute)	Autopsy conducted: No	Insufficient information
Death 12/19/1994 20 yo Male Ephedra FDA Case (10448)	Cybertrim Unknown Not described; Not described	Autopsy conducted: Yes	Insufficient information
Death 03/15/1995 17 yo Female Ephedra FDA Case (10849)	Unknown E'ola Product Unknown Not described; Not described	Autopsy conducted: No	Insufficient information

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yo = year old

**Table 22. Evidence table of case reports – Deaths (continued)**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Death 03/14/1996 20 yo Male Ephedra FDA Case (10862)	The Equillizer- Part B Unknown <6 hours; < 48 hours	Autopsy conducted: No	Insufficient information
Death 04/08/1996 67 yo Male Ephedra FDA Case (10902)	Quickshot Unknown Not described; 2-13 days	Autopsy conducted: No	Insufficient information
Death 04/12/1996 29 yo Female Ephedra FDA Case (11018)	Omni-Trim (Omni-Trim Int'l) Unknown Not described; 14-60 days (acute)	Autopsy conducted: No	Insufficient information
Death 02/16/1996 64 yo Female Ephedra FDA Case (11060)	Nature's Nutrition-Formula One Unknown >24 hours; >60 days (chronic)	Autopsy conducted: No	Insufficient information
Death 05/20/1996 Not described yo Male Ephedra FDA Case (11134)	Ripped Fuel 60.0 mg Not described; >60 days (chronic)	Autopsy conducted: Yes	Insufficient information
Death 05/13/1996 37 yo Male Ephedra FDA Case (11248)	Nature's Nutrition-Formula One 42.4 mg Not described; >60 days (chronic) Equillizer Fast Start Unknown >24 hours; >60 days (chronic) Not described Unknown Not described; Not described	Autopsy conducted: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Deaths (continued)**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Death 07/11/1996 59 yo Male Ephedra FDA Case (11307)	Herbalife Original Green 26.4 mg Not described; 14-60 days (acute)	Autopsy conducted: No	Insufficient information
Death 06/25/1996 34 yo Female Ephedra FDA Case (11417)	Herbalife Original Green Unknown Not described; Not described	Autopsy conducted: No	Insufficient information
Death 07/23/1996 27 yo Male Ephedra FDA Case (11441)	Ripped Fuel 51.4 mg Not described; >60 days (chronic)	Autopsy conducted: No	Insufficient information
Death 07/12/1996 24 yo Male Ephedra FDA Case (11444)	Cybergenic super anti-fatigue 3.3 mg Not described; 14-60 days (acute)	Autopsy conducted: No	Insufficient information
Death 10/07/1996 56 yo Female Ephedra FDA Case (11721)	Easy Trim Unknown Not described; Not described	Autopsy conducted: No	Insufficient information
Death 08/25/1997 32 yo Female Ephedra FDA Case (12506)	Escalation Unknown Not described; Not described	Autopsy conducted: Yes	Insufficient information
Death 10/06/1997 0 yo Female Ephedra FDA Case (12594)	Ripped Fuel 20.0 mg Not described; >60 days (chronic)	Autopsy conducted: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Deaths (continued)**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Death 12/19/1997 22 yo Male Ephedra FDA Case (12720)	Ripped Fuel Unknown >24 hours; Not described	Autopsy conducted: Yes	Did not meet temporal relationship criterion
Death 04/23/1998 34 yo Male Ephedra FDA Case (12859)	Herbalife Original Green 42.0 mg Not described; 14-60 days (acute)	Autopsy conducted: No	Insufficient information
Death 04/24/1998 46 yo Male Ephedra FDA Case (12871)	Diet Fuel 20.1 mg Not described; Not described	Autopsy conducted: No	Insufficient information
Death 07/11/1998 43 yo Male Ephedra FDA Case (13021)	Ripped Fuel 63.6 mg Not described; >60 days (chronic)	Autopsy conducted: No	Insufficient information
Death 09/16/1998 37 yo Female Ephedra FDA Case (13096)	Metabolife 356 Unknown Not described; 2-13 days	Autopsy conducted: Yes	Insufficient information
Death 10/08/1998 49 yo Female Ephedra FDA Case (13127)	Thin Tabs Unknown Not described; Not described	Autopsy conducted: Yes	Insufficient information
Death 02/27/1999 18 yo Male Ephedra FDA Case (13380)	Ultimate Orange Unknown <6 hours; Not described	Autopsy conducted: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old



**Table 22. Evidence table of case reports – Deaths (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Death 05/19/1999 49 yo Male Ephedra FDA Case (13634)	Metabolife 356 60.0 mg Not described; < 48 hours	Autopsy conducted: No	Insufficient information
Death 06/04/1999 40 yo Female Ephedra FDA Case (13706)	Metabolife 356 72.0 mg >24 hours; 14-60 days (acute)	Autopsy conducted: Yes	Did not meet temporal relationship criterion
Death 06/30/1999 37 yo Female Ephedra FDA Case (13762)	Thermadrene Unknown Not described; Not described	Autopsy conducted: No	Insufficient information
Death 08/06/1999 59 yo Female Ephedra FDA Case (13802)	Metabolife 356 Unknown Not described; Not described	Autopsy conducted: No	Insufficient information
Death 08/03/1999 37 yo Male Ephedra FDA Case (13806)	Metabolife 356 Unknown <6 hours; 2-13 days	Autopsy conducted: Yes	Insufficient information
Death 10/06/1999 42 yo Female Ephedra FDA Case (13901)	Herbalife Original Green Unknown Not described; 14-60 days (acute)	Autopsy conducted: Yes	Insufficient information
Death 10/13/1999 62 yo Female Ephedra FDA Case (13993)	Metabolife 356 Unknown Not described; Not described	Autopsy conducted: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Deaths (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Death 04/04/2000 29 yo Female Ephedra FDA Case (14113)	Metabolife 356 Unknown >24 hours; >60 days (chronic) Omnitrition Herbal Tea Unknown Not described; 14-60 days (acute) Not described Unknown Not described; Not described	Autopsy conducted: Yes	Did not meet temporal relationship criterion
Death 08/10/2000 32 yo Female Ephedra FDA Case (14323)	Metabolift 60.0 mg Not described; 2-13 days	Autopsy conducted: Yes	Insufficient information
Death 08/31/2000 46 yo Female Ephedra FDA Case (14347)	Metabomax 72.0 mg Not described; 2-13 days	Autopsy conducted: No	Insufficient information
Death 09/14/2000 40 yo Female Ephedra FDA Case (14370)	Metabolife 356 Unknown Not described; 14-60 days (acute)	Autopsy conducted: No	Insufficient information
Death 03/28/2000 56 yo Male Ephedra FDA Case (14465)	Thermogen Plus Liquid 72.0 mg Not described; 2-13 days	Autopsy conducted: Yes	Insufficient information
Death 10/16/2000 46 yo Female Ephedra FDA Case (14470)	Up Your Gas 34.2 mg Not described; Not described	Autopsy conducted: Not described	Insufficient information

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yo = year old

**Table 22. Evidence table of case reports – Deaths (continued)**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Death 11/14/2000 39 yo Male Ephedra FDA Case (14498)	Xenadrine 40.0 mg Not described; >60 days (chronic)	Autopsy conducted: Yes	Insufficient information
Death 11/18/2000 45 yo Female Ephedra FDA Case (14509)	Metabolife 356 24.0 mg >24 hours; 2-13 days	Autopsy conducted: No	Insufficient information
Death 12/06/2000 49 yo Female Ephedra FDA Case (14561)	Diet 2X Unknown Not described; 14-60 days (acute)	Autopsy conducted: No	Insufficient information
Death 12/24/2000 40 yo Male Ephedra FDA Case (14585)	Metabolife 356 72.0 mg Not described; >60 days (chronic)	Autopsy conducted: Yes	Insufficient information
Death 03/18/2001 28 yo Female Ephedra FDA Case (14747)	Mini Thin 75.0 mg Not described; >60 days (chronic) Yellow Jacket Unknown Not described; >60 days (chronic)	Autopsy conducted: Yes	Insufficient information
Death 03/29/2001 31 yo Female Ephedra FDA Case (14808)	Metabolife 356 Unknown Not described; >60 days (chronic)	Autopsy conducted: Yes	Insufficient information
Death 3 yo Male Ephedrine FDA Case (1772115)	Ephedrine Unknown <6 hours; < 48 hours	Autopsy conducted: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Deaths (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Death 99 yo Male Ephedrine FDA Case (1874879)	Unknown Not described Not described	Autopsy conducted: Yes	Insufficient information
Death 30 yo Female Ephedrine FDA Case (3135225)	MiniTabs Unknown Not described; Not described	Autopsy conducted: Yes	Insufficient information
Death 46 yo Male Ephedrine FDA Case (3173538)	Mini 2 Way Action Unknown Not described; >60 days (chronic)	Autopsy conducted: Yes	Insufficient information
Death 32 yo Female Ephedrine FDA Case (3551127)	Metabolift Unknown <6 hours; Not described	Autopsy conducted: N/A	Insufficient information
Death 99 yo Female Ephedrine FDA Case (3623625)	Diet 2X Unknown Not described; 14-60 days (acute)	Autopsy conducted: No	Insufficient information
Death 44 yo Female Ephedrine FDA Case (3768335)	Unknown Not described Not described; >60 days (chronic)	Autopsy conducted: No	Insufficient information
Death 20 yo Male Literature Case (462)	Ultimate Xphoria Unknown <6 hours; < 48 Hours	Autopsy conducted: Not described	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – MI**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
MI 03/20/1995 45 yo Male Ephedra FDA Case (10024)	Nature's Nutrition-Formula One Unknown <6 hours; 2-13 days	Angiography: Yes	Sentinel event
MI 23 yo Female Ephedrine FDA Case (3446357)	Midnight Ecstasy Unknown <6 hours; < 48 hours	Angiography: Yes	Sentinel event
MI 30 yo Male Ephedra Literature Case (244)	Ma huang Unknown <24 hours; Not described	Angiography: Yes	Sentinel event
MI 19 yo Male Ephedra Literature Case (516)	Dymetradine Xtreme 48.0 . <6 hours; Not described	Angiography: Yes	Sentinel event
MI 35 yo Female Ephedrine Literature Case (224)	Product unknown Unknown <24 hours; 14-60 days (acute)	Angiography: Yes	Sentinel event
MI 04/22/1994 37 yo Male Ephedra FDA Case (9372)	E'ola Amp II Pro Drops Unknown <6 hours; 2-13 days	Angiography: Yes	Possible sentinel event Note that this product was removed from the market- it contained illegal doses of ephedrine.
MI 05/23/1994 54 yo Male Ephedra FDA Case (9504)	Nature's Nutrition-Formula One Unknown 6-24 hours; >60 days (chronic)	Angiography: Yes	Possible sentinel event
MI 03/01/1995 35 yo Male Ephedra FDA Case (10009)	Metabolift 50.0 mg <6 hours; 14-60 days (acute)	Angiography: Yes	Possible sentinel event

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – MI (continued)**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
MI 06/15/1998 38 yo Female Ephedra FDA Case (13009)	Herbalife Original Green 25.6 mg <6 hours; < 48 hours	Angiography: Yes	Possible sentinel event
MI 04/18/2000 37 yo Female Ephedra FDA Case (14114)	Metabolife 356 Unknown <6 hours; 14-60 days (acute)	Angiography: Yes	Possible sentinel event
MI 11/08/2000 43 yo Female Ephedra FDA Case (14530)	Metab-O-Lite 72.0 mg <6 hours; >60 days (chronic)	Angiography: Yes	Possible sentinel event
MI 25 yo Male Literature Case (64)	Ephedrine Unknown <6 hours; Not described	Angiography: No	Intravenous injection of ephedrine
MI 04/22/1994 34 yo Female Ephedra FDA Case (9373)	E'ola Amp II Pro Drops Unknown Not described; 2-13 days	Angiography: Yes	Insufficient information
MI 06/17/1994 Not described yo Male Ephedra FDA Case (9381)	The Edge Unknown Not described; Not described	Angiography: No	Insufficient information
MI 05/24/1994 56 yo Female Ephedra FDA Case (9512)	Nature's Nutrition-Formula One Unknown >24 hours; >60 days (chronic)	Angiography: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – MI (continued)**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
MI 08/26/1994 49 yo Female Ephedra FDA Case (9572)	Nature's Nutrition-Formula One Unknown Not described; 14-60 days (acute)	Angiography: Yes	Insufficient information
MI 03/16/1995 67 yo Female Ephedra FDA Case (10065)	Nature's Nutrition-Formula One Unknown Not described; 2-13 days	Angiography: Yes	Insufficient information
MI 07/03/1997 59 yo Female Ephedra FDA Case (12452)	Omnitrition Herbal Tea 60.0 mg Not described; 14-60 days (acute)	Angiography: Yes	Insufficient information
MI 04/21/1999 39 yo Female Ephedra FDA Case (13532)	Metabolife 356 24.0 mg Not described; >60 days (chronic)	Angiography: Yes	Insufficient information
MI 08/05/1999 51 yo Male Ephedra FDA Case (13815)	Metabolife 356 Unknown Not described; Not described	Angiography: No	Insufficient information
MI 04/06/2000 30 yo Female Ephedra FDA Case (14123)	Metabolife 356 Unknown Not described; Not described	Angiography: No	Insufficient information
MI 04/15/2000 53 yo Male Ephedra FDA Case (14222)	Natural Herbal Energizer Unknown Not described; Not described	Angiography: Yes	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – MI (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
MI 07/05/2000 39 yo Male Ephedra FDA Case (14259)	Diet Fuel 60.0 mg Not described; 14-60 days (acute)	Angiography: Yes	Insufficient information
MI 11/15/2000 45 yo Male Ephedra FDA Case (14521)	Xenadrine Unknown Not described; >60 days (chronic) Thermocut Unknown Not described; >60 days (chronic)	Angiography: Yes	Insufficient information
MI 12/02/2000 Not described yo Not described Ephedra FDA Case (14555)	Metabolife 356 Unknown Not described; 2-13 days	Angiography: No	Insufficient information
MI 01/07/2001 50 yo Female Ephedra FDA Case (14645)	Metabolife 356 Unknown Not described; 14-60 days (acute)	Angiography: Yes	Insufficient information

\* dose reported in total daily alkaloids

yo = year old



**Table 22. Evidence table of case reports – Cerebrovascular Accident/ Stroke**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
CVA 01/03/1996 26 yo Female Ephedra FDA Case (10874)	Thermo Slim Unknown <6 hours; 2-13 days	Implicit review	Sentinel event
CVA 04/12/1996 42 yo Female Ephedra FDA Case (11062)	Power Trim Unknown Not described; >60 days (chronic)	Implicit review	Sentinel event
CVA 04/17/1996 31 yo Female Ephedra FDA Case (11105)	Trim Easy 72.0 mg 6-24 hours; >60 days (chronic)	Implicit review	Sentinel event
CVA 09/04/1996 28 yo Male Ephedra FDA Case (11675)	Ripped Fuel 63.6 mg Not described; >60 days (chronic)	Implicit review	Sentinel event
CVA 06/16/1998 39 yo Male Ephedra FDA Case (12980)	Ultimate Orange Unknown <6 hours; Not described	Implicit review	Sentinel event
CVA 12/31/1998 29 yo Male Ephedra FDA Case (13418)	Ultimate Orange 62.1 mg <6 hours; 14-60 days (acute)	Implicit review	Sentinel event
CVA 09/12/2000 53 yo Female Ephedra FDA Case (14372)	Slim Caps 24.0 mg 6-24 hours; 14-60 days (acute)	Implicit review	Sentinel event

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Cerebrovascular Accident/ Stroke (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
CVA 10/20/2000 46 yo Female Ephedra FDA Case (14473)	Xenadrine Unknown <6 hours; 2-13 days	Implicit review	Sentinel event
CVA 33 yo Male Ephedra Literature Case (552)	Thermadrene Unknown 6-24 hours; Not described	Implicit review	Sentinel event
CVA 19 yo Female Ephedrine Literature Case (184 )	Ephedrine Unknown <6 hours; Not described	Implicit review	Sentinel event
CVA 20 yo Female Ephedrine Literature Case (514)	"Purported amphetamine look-alike" Unknown <6 hours; < 48 Hours	Implicit review	Sentinel event
CVA 04/17/1992 30 yo Female Ephedra FDA Case (9296)	E'ola Amp II Pro Drops 75.0 mg <6 hours; 2-13 days	Implicit review	Possible sentinel event Note that this product was removed from the market- it contained illegal doses of ephedrine.
CVA 04/22/1994 56 yo Female Ephedra FDA Case (9335)	E'ola Amp II Pro Drops Unknown 6-24 hours; >60 days (chronic)	Implicit review	Possible sentinel event Note that this product was removed from the market- it contained illegal doses of ephedrine.
CVA 03/15/1995 24 yo Female Ephedra FDA Case (10094)	Super Fat Burners Unknown 6-24 hours; <48 hours	Implicit review	Possible sentinel event

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Cerebrovascular Accident/ Stroke (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
CVA 01/09/1998 64 yo Female Ephedra FDA Case (12713)	FitAmerica Natural Weight ControlAid 100.0 mg <6 hours; >60 days (chronic)	Implicit review	Possible sentinel event
CVA 12/23/1997 47 yo Male Ephedra FDA Case (12733)	Purple Blast Unknown <6 hours; 14-60 days (acute)	Implicit review	Possible sentinel event
CVA 04/27/1998 41 yo Female Ephedra FDA Case (12888)	Diet Phen 13.5 mg 6-24 hours; 14-60 days (acute)	Implicit review	Possible sentinel event
CVA 09/13/2000 25 yo Female Ephedra FDA Case (14378)	Natural Trim 44.0 mg 6-24 hours; 14-60 days (acute)	Implicit review	Possible sentinel event
CVA 10/12/2000 42 yo Male Ephedra FDA Case (14434)	Slim 'N Up Unknown 6-24 hours; >60 days (chronic)	Implicit review	Possible sentinel event
CVA/ Subarachnoid hemorrhage 11/16/2000 55 yo Female Ephedra FDA Case (14553)	Metabolife 356 Unknown 6-24 hours; 14-60 days (acute)	Implicit review	Possible sentinel event
CVA 33 yo Male Ephedra Literature Case (270)	Ma huang 40 mg 6-24 hours; 14-60 days	Implicit review	Possible sentinel event

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Cerebrovascular Accident/ Stroke (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
CVA 37 yo Male Ephedrine Literature Case (44)	"Street drug" 153.0 mg Not described; 14-60 days (acute)	Implicit review	Possible sentinel event
CVA 20 yo Male Ephedrine Literature Case (438)	"Speed" Unknown <6 hours; Not described	Implicit review	Possible sentinel event
CVA 29 yo Female Ephedrine FDA Case (3720184)	Ephedrine Unknown <6 hours; < 48 hours	Not relevant	Intraoperative ephedrine
CVA 45 yo Female Literature Case (485)	Ephedrine Unknown <6 hours; < 48 hours	Not relevant	Intraoperative ephedrine
CVA 05/12/1994 36 yo Female Ephedra FDA Case (9521)	Nature's Nutrition-Formula One Unknown <6 hours; >60 days (chronic)	Implicit review	Insufficient information
CVA 06/22/1994 52 yo Male Ephedra FDA Case (9545)	Nature's Nutrition-Formula One Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information
CVA 10/26/1994 40 yo Female Ephedra FDA Case (9749)	Equillizer Fast Start Unknown >24 hours; 2-13 days	Not reviewed	Did not meet the temporal relationship criterion
CVA 09/14/1994 49 yo Male Ephedra FDA Case (9865)	Nature's Nutrition-Formula One Unknown Not described; 14-60 days (acute)	Not reviewed	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Cerebrovascular Accident/ Stroke (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
CVA 05/12/1995 53 yo Female Ephedra FDA Case (10187)	Nature's Nutrition-Formula One Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information
CVA 10/19/1995 31 yo Female Ephedra FDA Case (10477)	TriChromolean Unknown Not described; 14-60 days (acute)	Not reviewed	Insufficient information
CVA 10/12/1995 19 yo Female Ephedra FDA Case (10508)	Thermoburn Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information
CVA 02/07/1996 30 yo Female Ephedra FDA Case (10893)	Metabolift 60.0 mg Not described; 14-60 days (acute)	Not reviewed	Insufficient information
CVA 04/13/1996 34 yo Female Ephedra FDA Case (10957)	E'ola Amp II Pro Drops Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information
CVA 07/11/1996 55 yo Female Ephedra FDA Case (11306)	Natural Trim Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information
CVA 07/18/1996 39 yo Female Ephedra FDA Case (11442)	Herbalife Original Green Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Cerebrovascular Accident/ Stroke (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
CVA 06/18/1996 35 yo Female Ephedra FDA Case (11619)	E'ola Amp II Pro Drops 21.5 mg >24 hours; Not described	Not reviewed	Did not meet the temporal relationship criterion
CVA 08/21/1996 33 yo Female Ephedra FDA Case (11706)	Herbalife Original Green Unknown Not described; >60 days (chronic) AP300 Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information
CVA 10/21/1996 69 yo Female Ephedra FDA Case (12340)	E'ola Amp II Pro Drops 36.8 mg Not described; 14-60 days (acute)	Not reviewed	Insufficient information
CVA 06/05/1997 64 yo Female Ephedra FDA Case (12460)	Shape Fast 30.0 mg Not described; Not described	Not reviewed	Insufficient information
CVA 08/01/1997 34 yo Female Ephedra FDA Case (12483)	Shape Fast 36.0 mg Not described; 2-13 days	Not reviewed	Insufficient information
CVA 04/22/1998 43 yo Female Ephedra FDA Case (12861)	Metabolife 356 Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information
CVA 02/11/1999 47 yo Female Ephedra FDA Case (13336)	Total Control 66.0 mg >24 hours; >60 days (chronic)	Not reviewed	Did not meet the temporal relationship criterion

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Cerebrovascular Accident/ Stroke (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
CVA 02/01/1999 48 yo Female Ephedra FDA Case (13341)	Metacut 12.3 mg Not described; 2-13 days	Not reviewed	Insufficient information
CVA 06/01/1999 16 yo Male Ephedra FDA Case (13661)	Hydroxycut (Muscle Tech R&D) 160.0 mg >24 hours; 14-60 days (acute)	Not reviewed	Did not meet the temporal relationship criterion
CVA 06/23/1999 18 yo Female Ephedra FDA Case (13779)	Metabolife 356 Unknown Not described; 14-60 days (acute)	Not reviewed	Insufficient information
CVA 08/03/1999 24 yo Female Ephedra FDA Case (13797)	Metabolife 356 Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information
CVA 08/04/1999 30 yo Female Ephedra FDA Case (13829)	Metabolife 356 48.0 mg <6 hours; 2-13 days	Implicit review	Insufficient information
CVA 07/01/1999 26 yo Female Ephedra FDA Case (13837)	Metabolife 356 Unknown Not described; 14-60 days (acute)	Not reviewed	Insufficient information
CVA 10/27/1999 36 yo Female Ephedra FDA Case (13905)	Metabolife 356 Unknown <6 hours; >60 days(chronic)	Implicit review	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Cerebrovascular Accident/ Stroke (continued)**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
CVA 10/08/1998 Not described yo Female Ephedra FDA Case (14056)	Ripped Fuel Unknown Not described; Not described	Not reviewed	Insufficient information
CVA 06/13/2000 46 yo Female Ephedra FDA Case (14231)	Metabolife 356 Unknown Not described; 14-60 days (acute) Xenadrine Unknown Not described; 14-60 days (acute)	Not reviewed	Insufficient information
CVA 10/03/2000 21 yo Female Ephedra FDA Case (14431)	Slacker II Unknown Not described; 2-13 days	Not reviewed	Insufficient information
CVA 01/16/2001 48 yo Female Ephedra FDA Case (14632)	LiquiFit Exercise Drops 75.0 mg Not described; 14-60 days (acute)	Not reviewed	Insufficient information
CVA 32 yo Female Ephedrine FDA Case (1823550)	Ephedrine (“Maxi Thins”) Unknown Not described; >60 days (chronic)	Implicit review	Insufficient information
CVA 68 yo Male Literature Case (515 )	“Over-the-counter anti-asthma pill” 60.0 mg <6 hours; >60 days (chronic)	Implicit review	Insufficient information

\* dose reported in total daily alkaloids

yo = year old



**Table 22. Evidence table of case reports – Other Cardiovascular**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
Cardiac/ Near sudden death 04/08/1998 22 yo Male Ephedra FDA Case (12851)	Ripped Force 20.4 mg 6-24 hours; >60 days (chronic)	Angiography: No	Possible sentinel event
Cardiac/ Cardiomyopathy 28 yo Female Literature Case (110 )	Ephedrine 2000.0 mg Not described; >60 days (chronic)	Angiography: Yes	Possible sentinel event
Cardiac/ Cardiomyopathy 39 yo Male Literature Case (297)	Herbalife Original Green Unknown Not described; 14-60 days (acute)	Angiography: Yes	Possible sentinel event
Cardiac 59 yo Female Ephedrine FDA Case (3359234)	Ephedrine Unknown <6 hours; < 48 hours	Not relevant	Intraoperative ephedrine
Cardiac 99 yo Male Ephedrine FDA Case (3537599)	Ephedrine Unknown <6 hours; < 48 hours	Not relevant	Intraoperative ephedrine
Cardiac 42 yo Male Literature Case (174)	Ephedrine Unknown <6 hours; < 48 hours	Not relevant	Intraoperative ephedrine
Cardiac 14 yo Female Literature Case (281)	RJB 450.0 mg <6 hours; < 48 hours	Not relevant	Suicide attempt
Cardiac 07/19/1994 43 yo Male Ephedra FDA Case (9818)	Power Trim Unknown Not described; 14-60 days (acute)	Not reviewed	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Other Cardiovascular (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
Cardiac 06/02/1995 63 yo Female Ephedra FDA Case (10275)	Nature's Nutrition-Formula One Unknown Not described; 14-60 days (acute)	Not reviewed	Insufficient information
Cardiac 05/07/1996 47 yo Female Ephedra FDA Case (11133)	Natural Trim Unknown Not described; 14-60 days (acute)	Not reviewed	Insufficient information
Cardiac 05/15/1996 66 yo Female Ephedra FDA Case (11282)	E'ola Amp II Pro Drops Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information
Cardiac 06/24/1996 35 yo Female Ephedra FDA Case (11464)	Shape Fast 80.0 mg Not described; 2-13 days	Not reviewed	Insufficient information
Cardiac 01/21/1996 48 yo Male Ephedra FDA Case (11782)	Pro ripped Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information
Cardiac 01/22/1998 31 yo Female Ephedra FDA Case (12740)	Ripped Fuel Unknown Not described; 2-13 days	Not reviewed	Insufficient information
Cardiac/ Near sudden death 07/29/1998 28 yo Female Ephedra FDA Case (13031)	Herbalife Original Green 43.2 mg <6 hours; < 48 Hours	Angiography: Unknown	Insufficient Information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Other Cardiovascular (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
Cardiac 04/19/1999 57 yo Female Ephedra FDA Case (13516)	Metabolife 356 Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information
Cardiac/ Near sudden death 05/19/1999 32 yo Female Ephedra FDA Case (13643)	Natural Trim 88.0 mg <6 hours; 14-60 days (acute)	Angiography: Unknown	Insufficient Information
Cardiac/ Cardiomyopathy 07/23/1999 65 yo Female Ephedra FDA Case (13793)	Thermolean Unknown <6 hours; >60 days (chronic) Power Trim 84.0 mg <6 hours; >60 Days (chronic)	Not reviewed	Insufficient Information
Cardiac 07/23/1999 39 yo Male Ephedra FDA Case (13796)	Natural Trim Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information
Cardiac/ Ventricular Tachycardia 11/15/1999 48 yo Female Ephedra FDA Case (13945)	Metabolife 356 Unknown <6 hours; 14-60 days (acute)	Not reviewed	Insufficient Information
Cardiac 12/24/1999 48 yo Female Ephedra FDA Case (13992)	Unknown 45.0 mg Not described; >60 days (chronic)	Not reviewed	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Other Cardiovascular (continued)**

<b>Event type Report date Age, Sex Constituent Source Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
Cardiac 11/08/1999 46 yo Male Ephedra FDA Case (14017)	Metabolife 356 Unknown Not described; 14-60 days (acute)	Not reviewed	Insufficient information
Cardiac 03/08/2000 26 yo Male Ephedra FDA Case (14080)	Ripped Fuel Unknown Not described; >60 days (chronic) Hydroxycut (Muscle Tech R&D) Unknown Not described; >60 Days (chronic)	Not reviewed	Insufficient information
Cardiac 03/23/2000 47 yo Female Ephedra FDA Case (14108)	Herbalife Original Green Unknown >24 hours; >60 days (chronic)	Not reviewed	Insufficient information
Cardiac 04/19/2000 41 yo Female Ephedra FDA Case (14143)	Metabolife 356 24.0 mg Not described; >60 days (chronic)	Not reviewed	Insufficient information
Cardiac 04/11/2000 43 yo Female Ephedra FDA Case (14242)	Metabolize Unknown Not described; >60 days (chronic) Unknown Unknown Not described; Not described	Not reviewed	Insufficient information
Cardiac 07/19/2000 26 yo Female Ephedra FDA Case (14284)	FitAmerica Int'l Weight ControlAid Unknown >24 hours; 2-13 days	Not reviewed	Insufficient information
Cardiac 09/14/2000 39 yo Female Ephedra FDA Case (14383)	Biolean Unknown Not described; >60 days (chronic)	Not reviewed	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Other Cardiovascular (continued)**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND Classification</b>
Cardiac/ Cardiomyopathy 32 yo Female Literature Case (260)	Ephedrine 450.0 mg Not described; >60 days (chronic)	Angiography: No	Insufficient information
Cardiac/ Cardiomyopathy 35 yo Male Literature Case (271)	Insufficient information Unknown <24 hours; >60 days (chronic)	Angiography: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Other Neurological**

<b>Event type Report date Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND classification</b>
Neurological/ TIA 06/29/1998 57 yo Female Ephedra FDA Case (13062)	Metabolife 356 48.0 mg 6-24 hours; < 48 hours	Implicit review	Possible sentinel event
Neurological 11/27/1995 54 yo Female Ephedra FDA Case (10573)	Thermogenic Fat Burner (Joe Weider) 48.0 mg Not described; 14-60 days (acute)	Not reviewed	Insufficient information
Neurological 08/12/1996 39 yo Male Ephedra FDA Case (11900)	Excel Energy 24.0 mg Not described; >60 days (chronic)	Not reviewed	Insufficient information
Neurological 02/10/2000 59 yo Female Ephedra FDA Case (14018)	Metabolife 356 24.0 mg >24 hours; >60 days (chronic)	Implicit review	Did not meet temporal relationship criterion
Neurological 08/31/2000 31 yo Female Ephedra FDA Case (14352)	Ripped Fuel Unknown Not described; 14-60 days (acute)	Not reviewed	Insufficient information
Neurological 11/07/2000 35 yo Female Ephedra FDA Case (14495)	Metab-O-Lite 24.0 mg Not described; >60 days (chronic)	Not reviewed	Insufficient information
Neurological 29 yo Male Ephedrine FDA Case (1535075)	Ephedrine Unknown Not described; Not described	Implicit review	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Other Neurological (continued)**

<b>Event type</b> <b>Report date</b> <b>Age, Sex</b> <b>Constituent</b> <b>Source</b> <b>(ID)</b>	<b>Product</b> <b>Dose*</b> <b>Timing; Duration</b>	<b>Investigation of Etiology</b>	<b>RAND classification</b>
Neurological/ TIA 12 yo Female Literature Case (218)	E'ola Unknown <6 hours; < 48 hours	Implicit review	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Seizure**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Seizure 19 YO Female Ephedra FDA Case (10974)	Shape Fast/Rite Not described Not described; 14-60 days (acute)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: No Temperature: Yes EEG: Yes	Sentinel event
Seizure 38 YO Female Ephedrine Literature Case (224)	Ephedrine Not described 6-24 hours; Duration Not described	CT/MRI of Head: No Serum Electrolytes: No Glucose: No Calcium: No Magnesium: No Temperature: No EEG: No	Sentinel event
Seizure 47 YO Female Ephedra FDA Case (9534)	Nature's Nutrition-Formula One Not described 6-24 hours; 14-60 days (acute)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: No Magnesium: No Temperature: Yes EEG: Yes	Possible sentinel event
Seizure 37 YO Female Ephedra FDA Case (10221)	Nature's Nutrition-Formula One Not described Not described; >60 days (chronic)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: Yes Temperature: Yes EEG: Yes	Possible sentinel event
Seizure 62 YO Male Ephedra FDA Case (10432)	Thermo Slim Not described Not described; >60 days (chronic)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: Yes Temperature: Yes EEG: Yes	Possible sentinel event
Seizure 23 YO Female Ephedra FDA Case (11649)	Metabolife 356 Not described Not described; >60 days (chronic)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: No Temperature: Yes EEG: Yes	Possible sentinel event

\* dose reported in total daily alkaloids

yo = year old



**Table 22. Evidence table of case reports – Seizure (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Seizure 26 YO Male Ephedra FDA Case (13408)	Ripped Fuel Not described <6 hours; >60 days (chronic)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: Yes Temperature: Yes EEG: Yes	Possible sentinel event
Seizure 30 YO Female Ephedra FDA Case (14275)	Metab-O-Lite Not described 6-24 hours; >60 days (chronic)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: No Temperature: Yes EEG: Yes	Possible sentinel event
Seizure 31 YO Female Ephedra FDA Case (14571)	Thin Tabs Not described 6-24 hours; 14-60 days (acute)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: No Temperature: Yes EEG: Yes	Possible sentinel event
Seizure 38 YO Female Ephedra FDA Case (9528 )	Nature's Nutrition-Formula One Not described Not described; 14-60 days (acute)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: No Temperature: Yes EEG: Yes	Insufficient Information
Seizure 47 YO Female Ephedra FDA Case (9547)	Nature's Nutrition-Formula One Not described Not described; 2-13 days	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: No Calcium: Yes Magnesium: Yes Temperature: Yes EEG: Yes	Insufficient information
Seizure 40 YO Female Ephedra FDA Case (9747)	Ripped Fuel 25 mg Not described; 2-13 days	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: No Magnesium: No Temperature: No EEG: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Seizure (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Seizure Age Not described, Male Ephedra FDA Case (9799)	E'ola Amp II Pro Drops Not described Not described; 14-60 days (acute)	CT/MRI of Head: No Serum Electrolytes: No Glucose: No Calcium: No Magnesium: No Temperature: No EEG: Yes	Insufficient information
Seizure 34 YO Female Ephedra FDA Case (10301)	Thermogenics Plus Not described Not described; 14-60 days (acute)	CT/MRI of Head: Yes Serum Electrolytes: No Glucose: No Calcium: No Magnesium: No Temperature: No EEG: Yes	Insufficient information
Seizure 32 YO Male Ephedra FDA Case (10416)	Slim Now Not described <6 hours; >60 days (chronic)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: No Temperature: Yes EEG: Yes	Insufficient information
Seizure 55 YO Female Ephedra FDA Case (10437)	Herbalife Original Green Not described <6 hours; 2-13 days	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: No Temperature: No EEG: No	Insufficient information
Seizure 38 YO Female Ephedra FDA Case (10570)	Thermochrome 5000 21 mg 6-24 hours; <48 hours	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: Yes Temperature: Yes EEG: Yes	Insufficient information
Seizure 29 YO Female Ephedra FDA Case (10964)	Diet Max/Super Diet Max Not described Not described; >60 days (chronic)	CT/MRI of Head: No Serum Electrolytes: No Glucose: No Calcium: No Magnesium: No Temperature: No EEG: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Seizure (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Seizure 41 YO Female Ephedra FDA Case (11001)	Guarana Plus Not described Not described; >60 days (chronic)	CT/MRI of Head: No Serum Electrolytes: No Glucose: No Calcium: No Magnesium: No Temperature: No EEG: No	Insufficient information
Seizure 36 YO Female Ephedra FDA Case (11078)	Quick Start Not described Not described; Not described Nature's Nutrition-Formula One Not described 6-24 hours; >60 days (chronic)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: No Magnesium: Yes Temperature: Yes EEG: Yes	Insufficient information
Seizure 19 YO Male Ephedra FDA Case (11181)	Ripped Fuel Not described 6-24 hours; 2-13 days	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: No Magnesium: No Temperature: Yes EEG: Yes	Insufficient information
Seizure 24 YO Male Ephedra FDA Case (11215)	Ripped Fuel Not described Not described; Not described Ripped Force Not described >24 hours; >60 days (chronic)	CT/MRI of Head: No Serum Electrolytes: No Glucose: No Calcium: No Magnesium: No Temperature: No EEG: No	Insufficient information
Seizure 20 YO Male Ephedra FDA Case (11249)	Victory Turbo Pump Not described Not described; >60 days (chronic)	CT/MRI of Head: Yes Serum Electrolytes: No Glucose: Yes Calcium: No Magnesium: No Temperature: No EEG: Yes	Insufficient information
Seizure 38 YO Female Ephedra FDA Case (11304)	E'ola Amp Pro Drops Not described <6 hours; <48 hours	CT/MRI of Head: No Serum Electrolytes: No Glucose: No Calcium: No Magnesium: No Temperature: No EEG: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Seizure (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Seizure 37 YO Male Ephedra FDA Case (11316)	Nature's Nutrition-Formula One Not described 6-24 hours; 14-60 days (acute)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: Yes Temperature: Yes EEG: Yes	Insufficient information
Seizure 34 YO Female Ephedra FDA Case (11594)	Fit America Intl Weight Control Aid Not described Not described; 2-13 days	CT/MRI of Head: No Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: Yes Temperature: Yes EEG: Yes	Insufficient information
Seizure 15 YO Male Ephedra FDA Case (12477)	Up Your Gas Not described <6 hours; <48 hours	CT/MRI of Head: No Serum Electrolytes: No Glucose: No Calcium: No Magnesium: No Temperature: No EEG: No	Insufficient information
Seizure Age Not described, Female Ephedra FDA Case (12948)	Escalation Not described Not described; 2-13 days	CT/MRI of Head: No Serum Electrolytes: No Glucose: No Calcium: No Magnesium: No Temperature: No EEG: No	Insufficient information
Seizure 42 YO Female Ephedra FDA Case (13110)	E-Z Trim Tablets 24 mg Not described; 2-13 days	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: Yes Temperature: Yes EEG: Yes	Insufficient information
Seizure 53 YO Female Ephedra FDA Case (13514)	Metabolift Not described <6 hours; 14-60 days (acute)	CT/MRI of Head: No Serum Electrolytes: No Glucose: No Calcium: No Magnesium: No Temperature: No EEG: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Seizure (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Seizure Age Not described, Female Ephedra FDA Case (13519)	Metabolife 356 Not described Not described; Not described	CT/MRI of Head: No Serum Electrolytes: Yes Glucose: No Calcium: No Magnesium: No Temperature: No EEG: No	Insufficient information
Seizure 46 YO Female Ephedra FDA Case (13625)	Metabolife 356 Not described Not described; 14-60 days (acute)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: No Magnesium: No Temperature: No EEG: Yes	Insufficient information
Seizure 25 YO Female Ephedra FDA Case (13715)	Diet Fuel Not described Not described; Not described Ripped Fuel Not described Not described; Not described Hydroxycut Not described <6 hours; >60 days (chronic)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: No Magnesium: No Temperature: No EEG: Yes	Insufficient information
Seizure 51 YO Male Ephedra FDA Case (13895)	Metabolife 356 Not described Not described; 14-60 days (acute)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: No Magnesium: No Temperature: No EEG: Yes	Insufficient information
Seizure 17 YO Male Ephedra FDA Case (13946)	Ripped Fuel Not described Not described; Not described Thermo-Tek Not described <6 hours; >60 days (chronic)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: No Magnesium: No Temperature: Yes EEG: Yes	Insufficient information
Seizure 58 YO Male Ephedra FDA Case (13972)	Metabolife 356 Not described Not described; >60 days (chronic)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: No Magnesium: No Temperature: No EEG: Yes	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Seizure (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Timing; Duration</b>	<b>Investigation for Etiology</b>	<b>RAND Classification</b>
Seizure 39 YO Female Ephedra FDA Case (14116)	Thermo-Gen Not described 6-24 hours; >60 days (chronic)	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: Yes Temperature: Yes EEG: Yes	Insufficient information
Seizure 23 YO Male Ephedra FDA Case (14258)	Ripped Fuel Not described <6 hours; <48 hours	CT/MRI of Head: Yes Serum Electrolytes: Yes Glucose: Yes Calcium: Yes Magnesium: Yes Temperature: Yes EEG: Yes	Insufficient information
Seizure 42 YO Female Ephedra FDA Case (14297)	Natural Trim Not described 6-24 hours; <48 hours	CT/MRI of Head: Yes Serum Electrolytes: No Glucose: No Calcium: No Magnesium: No Temperature: No EEG: Yes	Insufficient information
Seizure Age Not described, Female Ephedrine FDA Case (3549038)	Ephedrine Plus Not described <6 hours; 14-60 days (acute)	CT/MRI of Head: No Serum Electrolytes: No Glucose: No Calcium: No Magnesium: No Temperature: No EEG: No	Insufficient information

\* dose reported in total daily alkaloids

yo = year old

**Table 22. Evidence table of case reports – Psychiatric**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Psychosis, Sleep disturbance, Palpitations, Dizzy 21 YO Male Ephedra FDA Case (9509)	Nature's Nutrition-Formula One Not described <48 hours Addiction: No	Psychiatric History: No Other Substances/Meds: No	Sentinel Event
Psychosis, Hallucinations, Sleep disturbance 39 YO Female Ephedra FDA Case (11678)	Diet Now 12 mg Over 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: No	Sentinel Event
Mania or severe agitation, Suicidal ideation, Violent, Personality changes, Headache 19 YO Female Ephedra FDA Case (13809)	Hydroxycut Not described 2-13 days Addiction: No	Psychiatric History: No Other Substances/Meds: No	Sentinel Event
Psychosis, Mania or severe agitation, Severe depression, Suicidal ideation, Sleep disturbance, Homicidal ideation 29 YO Male Ephedra FDA Case (14529)	Xenadrine Not described 60 days to 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: No	Sentinel Event
Mania or severe agitation, Ventricular tachycardia / fibrillation, Insomnia, Violent 16 YO Male Ephedrine FDA Case (1855921)	Max Alert Mini Thin Not described 60 days to 1 year Addiction: Yes	Psychiatric History: No Other Substances/Meds: No	Sentinel Event
Mania or severe agitation, Sleep disturbance 45 YO Male Ephedra Literature Case (48)	Ma huang/Ephedra Not described 14-60 days (acute) Addiction: No	Psychiatric History: No Other Substances/Meds: No	Sentinel Event

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms

**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Psychosis, Paranoia 30 YO Female Ephedrine Literature Case (238 )	Tedral 144 mg Over 1 year Addiction: Yes	Psychiatric History: No Other Substances/Meds: No	Sentinel Event
Psychosis, Hallucinations, Confusion/Delusional 59 YO Male Ephedrine Literature Case (285)	Bronchi Pax 360 mg Over 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: No	Sentinel Event
Severe depression, Suicide attempt 28 YO Female Ephedra FDA Case (9751)	Slim NRG+ Not described 60 days to 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: No	Possible Sentinel Event
Psychosis, Suicidal ideation, Palpitations, Increased hypertension, 19 YO Male Ephedra FDA Case (11157)	Ripped Fuel Not described 60 days to 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: No	Possible Sentinel Event
Psychosis, Hallucinations, Memory Loss 13 YO Female Ephedra FDA Case (12372)	Nature's Nutrition-Formula One Not described 14-60 days (acute) Addiction: No	Psychiatric History: No Other Substances/Meds: No	Possible Sentinel Event
Mania or severe agitation, Sleep disturbance 21 YO Male Ephedra FDA Case (13005)	Ripped Fuel Not described 14-60 days (acute) Addiction: No	Psychiatric History: No Other Substances/Meds: No	Possible Sentinel Event
Psychosis, Hallucinations 52 YO Female Ephedra FDA Case (14436)	Metab-O-Lite Not described 60 days to 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: No	Possible Sentinel Event

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms



**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Psychosis, Suicide attempt, Insomnia, Ventricular tachycardia / fibrillation, Dizzy 28 YO Female Ephedra FDA Case (14528)	Metab-O-Lite Not described 60 days to 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: No	Possible Sentinel Event
Psychosis, Addiction/Substance Abuse, Paranoia 31 YO Male Ephedrine FDA Case (1661966)	Max Alert up to 1250 mg / day Over 1 year Addiction: Yes	Psychiatric History: No Other Substances/Meds: No	Possible Sentinel Event
Psychosis, Mania or severe agitation, Hallucinations, Paranoia 34 YO Male Ephedra Literature Case (79)	Unknown Not described 2-13 days Addiction: No	Psychiatric History: No Other Substances/Meds: No	Possible Sentinel Event
Psychosis, Sleep disturbance, Headache 40 YO Female Ephedra FDA Case (9060)	Do-Do Tablet or Herbal Balance 100 mg 14-60 days (acute) Addiction: No	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Severe depression, Suicidal ideation 47 YO Male Ephedra FDA Case (9727)	Nature's Nutrition-Formula One Not described 14-60 days (acute) Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Severe depression, Suicidal ideation 38 YO Female Ephedra FDA Case (9727)	Nature's Nutrition-Formula One Not described >60 days (chronic) Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Severe depression, Suicidal ideation 30 YO Female Ephedra FDA Case (9727)	Nature's Nutrition-Formula One Not described >60 days (chronic) Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms

**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Psychosis, Insomnia 43 YO Female Ephedra FDA Case (9403 )	Therachrome Not described 60 days to 1 year Addiction: No	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Psychosis, Violent 39 YO Male Ephedra FDA Case (10042)	Diet Gel Not described Not described Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Psychosis, Mania or severe agitation, Sleep disturbance 17 YO Male Ephedra FDA Case (10078)	Ripped Force Not described 60 days to 1 year Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Psychosis, Severe depression, Suicide attempt, Addiction/Substance Abuse 38 YO Female Ephedra/Ephedrine FDA Case (11052)	Mini Thin 285 mg 60 days to 1 year Addiction: Yes	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Psychosis, Mania or severe agitation, Violent, Addiction/Substance Abuse 17 YO Male Ephedra FDA Case (11096 )	Up Your Gas Not described Not described Addiction: Yes	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Severe depression, Anxiety, Headache 31 YO Male Ephedra FDA Case (11145)	Nature's Nutrition-Formula One Not described >60 days (chronic) Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Violent 35 YO Male Ephedra FDA Case (11289)	Up Your Gas Not described 14-60 days (acute) Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms

**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Severe depression, Addiction/Substance Abuse, Sleep disturbance 38 YO Female Ephedra FDA Case (11651)	Nature's Nutrition-Formula One Not described 60 days to 1 year Addiction: Yes	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Psychosis 34 YO Female Ephedra FDA Case (11717)	M-80 pills Not described 60 days to 1 year Addiction: No	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Severe depression, Suicidal ideation 57 YO Female Ephedra FDA Case (11828)	Herbalife Original Green Not described 14-60 days (acute) Addiction: No	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Mania or severe agitation, Suicidal ideation, Cyclothymia 15 YO Female Ephedra FDA Case (13072)	Caloslim Not described >60 days (chronic) Addiction: No	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Psychosis, Mania or severe agitation, Hallucinations, Sleep disturbance, Migraine 20 YO Male Ephedra/Ephedrine FDA Case (13099)	Mini Thin 75 mg Not described Hydroxycut Not described 60 days to 1 year Addiction: No	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Severe depression 28 YO Female Ephedra FDA Case (14089)	Xenadrine Not described 60 days to 1 year Addiction: No	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Mania or severe agitation, Severe depression, Addiction/Substance Abuse 29 YO Female Ephedra FDA Case (14276)	Up Your Gas Not described Over 1 year Addiction: Yes	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms

**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Psychosis, Severe depression, Insomnia 17 YO Male Ephedra FDA Case (14294)	Hydroxycut Not described 2-13 days Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Psychosis, Severe depression, Motor vehicle accident, Paranoia, Confusion/Delusional 42 YO Female Ephedra FDA Case (14394)	Fen-Chi Not described 14-60 days (acute) Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Psychosis, Suicide/Suicide attempt, Hallucinations, Anxiety, Paranoia 36 YO Female Ephedra FDA Case (14493)	Herbalife Original Green Not described >60 days (chronic) Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Mania or severe agitation, Hallucinations 32 YO, Sex Not described Ephedra FDA Case (14541)	Metabolife 356 Not described 60 days to 1 year Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Psychosis, Severe depression, Suicidal ideation, Hallucinations, Insomnia 22 YO Female Ephedra FDA Case (14543)	Metabolift Not described 14-60 days (acute) Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Psychosis, Mania or severe agitation 20 YO Male Ephedra Literature Case (136)	Metabolife 356 Not described >60 days (chronic) Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms

**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Severe depression, Suicidal ideation, Violent 27 YO Male Ephedra Literature Case (136)	Metabolife 356 Not described Over 1 year Addiction: No	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Mania or severe agitation, Severe depression 40 YO Female Ephedra Literature Case (519)	Product Not described Not described Over 1 year Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Psychosis, Suicidal ideation, Anxiety, Dizzy, Increased hypertension 33 YO Female Ephedra FDA Case (9516)	Nature’s Nutrition-Formula One Not described 60 days to 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances
Mania or severe agitation, Suicidal ideation, Sleep disturbance 45 YO Male Ephedra FDA Case (10233)	Nature’s Nutrition-Formula One Not described 14-60 days (acute) Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances
Psychosis, Catatonia 36 YO Male Ephedra FDA Case (12488)	Nature’s Super Cap 99mg Thermadrene Just Be Natural Gorilla Nitro Plus Mega Creatine Fuel Bolt Not described Over 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms

**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Mania or severe agitation, Hallucinations, Headache, Sleep disturbance, Irregular heart rate 19 YO Male Ephedra/Ephedrine FDA Case (13370)	Metacuts Not described >60 days (chronic) Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances
Psychosis, Mania or severe agitation, Hallucinations, Motor vehicle accident, Sleep disturbance 27 YO Female Ephedra FDA Case (13526)	Xenadrine 40 mg 2-13 days Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances
Severe depression, Suicidal ideation, Sleep disturbance 15 YO Male Ephedra FDA Case (14082)	Ripped Force Not described 60 days to 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances
Psychosis, Suicide attempt Age Not described, Female Ephedra FDA Case (14213 )	Thermogenics Plus Not described Over 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances
Mania or severe agitation, Severe depression, Aneurysm, ruptured cerebra, Encephalopathy Age Not described, Male Ephedra FDA Case (14287)	Diet Fuel Not described 60 days to 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances
Psychosis, Hyperkalemia 37 YO Female Ephedra FDA Case (14300)	Metabolife 356 Not described 14-60 days (acute) Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms

**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Psychosis, Sleep disturbance, Confusion/Delusional 36 YO Female Ephedra FDA Case (14546)	Metabolife 356 Not described >60 days (chronic) Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances
Psychosis 39 YO Female Ephedra FDA Case (14575)	Up Your Gas Not described Over 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances
Psychosis, Mania or severe agitation, Confusion/Delusional, Headache 54 YO Female Ephedra FDA Case (14582)	Metabolife 356 Not described 14-60 days (acute) Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances
Psychosis, Hallucinations Age Not described, Female Ephedra FDA Case (10019)	Ripped Fuel Not described 60 days to 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: No	Insufficient Information
Psychosis, Irregular heart rate, Insomnia, Dizzy, Gastrointestinal problems 24 YO Female Ephedra FDA Case (10614)	Diet Max Not described 14-60 days (acute) Addiction: No	Psychiatric History: No Other Substances/Meds: No	Insufficient Information
Hallucinations, Nausea, Dizzy, Headache 20 YO Male Ephedra FDA Case (11131)	Herbal Ecstasy Not described <48 hours Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Insufficient Information
Anxiety, Palpitations 25 YO Male Ephedra FDA Case (11354)	Ripped Fuel Not described 14-60 days (acute) Addiction: No	Psychiatric History: No Other Substances/Meds: No	Insufficient Information

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms

**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Hallucinations Age Not described, Sex Not described Ephedra FDA Case (12368)	Power Trim Not described Not described Addiction: No	Psychiatric History: No Other Substances/Meds: No	Insufficient Information
Psychosis, Severe depression, Seizure 32 YO Female Ephedra FDA Case (14105)	Metab-O-Lite Not described 60 days to 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: No	Insufficient Information
Psychosis, Seizure, Transient ischemic attack 37 YO Female Ephedra FDA Case (14615)	Metab-O-Lite Not described 60 days to 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: No	Insufficient Information
Suicide attempt 15 YO Female Ephedra FDA Case (10378)	Thermogenic Fat Burner Not described <48 hours Addiction: No	Psychiatric History: No Other Substances/Meds: No	Product taken solely as suicide attempt
Suicide attempt, Headache 16 YO Male Ephedra FDA Case (13331)	Metabolife 356 Not described <48 hours Addiction: No	Psychiatric History: No Other Substances/Meds: No	Product taken solely as suicide attempt
Severe depression, Suicide attempt, Addiction/Substance Abuse 25 YO Male Ephedrine FDA Case (11103)	Ephedrine 2500 mg Over 1 year Addiction: Yes	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Mania or severe agitation 50 YO Female Ephedra FDA Case (11780 )	Ma Huang/Ephedra + Caffeine 5.6 mg 14-60 days (acute) Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms



**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Mania or severe agitation, Violent, Addiction/Substance Abuse 30 YO Male Ephedrine FDA Case (185564)	Mini Thin Not described Over 1 year Addiction: Yes	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Mania or severe agitation, Encephalopathy, Rhabdomyolysis, Hyperthermia 28 YO Female Ephedrine Literature Case (69)	Do-Do Tablet or Herbal Balance 18.31 mg <48 hours Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Psychosis, Severe depression, Hallucinations 54 YO Female Ephedrine Literature Case (120)	Ephedrine Not described Over 1 year Addiction: Yes	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Mania or severe agitation, Confusion/Delusional, Insomnia, Palpitations 21 YO Male Ephedrine Literature Case (157)	Black Beauty Not described <48 hours Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Psychosis, Hallucinations, Confusion/Delusional, Violent 26 YO Male Ephedrine Literature Case (238)	Ephedrine Not described 2-13 days Addiction: No	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Psychosis, Mania or severe agitation, Hallucinations, Confusion/Delusional, Violent 26 YO Male Ephedrine Literature Case (238)	Ephedrine 300 mg 14-60 days (acute) Addiction: No	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms

**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Suicide attempt, Ventricular tachycardia / fibrillation 20 YO Female Ephedrine Literature Case (250)	Product Not described 22500 gm <48 hours Addiction: No	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Psychosis, Hallucinations, Sleep disturbance, Confusion/Delusional 61 YO Male Ephedrine Literature Case (488)	Vicks inhaler Not described Over 1 year Addiction: No	Psychiatric History: Yes Other Substances/Meds: No	Inconclusive – Prior psychiatric history
Addiction/Substance Abuse, Palpitations 29 YO Female Ephedrine Literature Case (493)	Ephedrine 2500 mg Over 1 year Addiction: Yes	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Addiction/Substance Abuse 23 YO Male Ephedrine Literature Case (493)	Ephedrine 2500 mg 60 days to 1 year Addiction: Yes	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Addiction/Substance Abuse, Sleep disturbance, Palpitations 22 YO Male Ephedrine Literature Case (493)	Ephedrine 1500 mg 60 days to 1 year Addiction: Yes	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Job Loss, Motor vehicle accident 33 YO Male Ephedrine Literature Case (493)	Ephedrine 1000 mg Over 1 year Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Inconclusive – Prior psychiatric history
Psychosis, Addiction/Substance Abuse 35 YO Male Ephedrine FDA Case (130741)	Ephedrine Not described Not described Addiction: Yes	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other substances involved

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms

**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Psychosis, Mania or severe agitation 19 YO Male Ephedrine Literature Case (490)	Marax 125 mg 14-60 days (acute) Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances
Addiction/Substance Abuse 33 YO Female Ephedrine Literature Case (493)	Ephedrine 1500 mg Over 1 year Addiction: Yes	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other meds / substances
Psychosis, Paranoia, Violent, Impotence 65 YO Male Ephedrine Literature Case (120)	Ephedrine Not described Over 1 year Addiction: Yes	Psychiatric History: No Other Substances/Meds: Yes	Inconclusive – Other substances involved
Psychosis, Mania or severe agitation, Severe depression, Hallucinations 27 YO Female Ephedrine FDA Case (14542)	Thermolift Not described 14-60 days (acute) Addiction: No	Psychiatric History: No Other Substances/Meds: No	Not related – exacerbation of previously undiagnosed bipolar disorder
Psychosis, Suicide attempt, Paranoia, Confusion/Delusional 46 YO Male Ephedrine FDA Case (94799)	Mini Thin Not described 14-60 days (acute) Addiction: Yes	Psychiatric History: No Other Substances/Meds: No	Product taken solely as suicide attempt
Suicide attempt 19 YO Male Ephedrine FDA Case (1454817)	Max Alert Not described Not described Addiction: No	Psychiatric History: No Other Substances/Meds: No	Product taken solely as suicide attempt
Suicide attempt, Arrhythmia (NOS) 14 YO Female Ephedrine Literature Case (281)	RJ8 Not described <48 hours Addiction: No	Psychiatric History: No Other Substances/Meds: No	Product taken solely as suicide attempt

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms

**Table 22. Evidence table of case reports – Psychiatric (continued)**

<b>Event type Age, Sex Constituent Source (ID)</b>	<b>Product Dose* Duration Addiction Data**</b>	<b>Investigation for Etiology***</b>	<b>RAND Classification</b>
Psychosis, Severe depression, Palpitations 40 YO Male Ephedrine FDA Case (1761109)	Max Alert Not described 60 days to 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: No	Insufficient Information
Psychosis, Severe depression, Hallucinations, Addiction/Substance Abuse 38 YO Female Ephedrine FDA Case (1834206)	Mini Thin Not described Not described Excel Energy Not described Not described Addiction: Yes	Psychiatric History: No Other Substances/Meds: No	Insufficient Information
Severe depression, Suicide/Suicide attempt 43 YO Female Ephedra/Ephedrine FDA Case (9568)	E'ola Amp Pro Drops 38 mg 14-60 days (acute) Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Product removed from market- Contained illegal doses of ephedrine
Mania or severe agitation, Confusion/Delusional, Jumped out of car, Cardiac Enlargement 47 YO Female Ephedra FDA Case (12486)	LiquiThin Not described Not described E'ola Amp Pro Drops 97.2 mg 2-13 days Addiction: No	Psychiatric History: Yes Other Substances/Meds: Yes	Product removed from market- Contained illegal doses of ephedrine
Psychosis, Hallucinations, Rhabdomyolysis 54 YO Male Ephedra/Ephedrine FDA Case (10894)	E'ola Amp Pro Drops Not described 14-60 days (acute) Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Product removed from market- Contained illegal doses of ephedrine
Psychosis, Hallucinations, Paranoia, Confusion/Delusional 54 YO Female Ephedra/Ephedrine Literature Case (275)	E'ola Amp Pro Drops 28000 mg Over 1 year Addiction: No	Psychiatric History: No Other Substances/Meds: Yes	Product removed from market- Contained illegal doses of ephedrine

\* dose reported in total daily alkaloids

yo = year old

\*\* Addiction: Yes = diagnosis or self-reported addiction to the product

\*\*\* Psychiatric history: Yes = recorded psychiatric history

Other substances/meds: Yes = patient taking other substances or medications known to cause psychiatric symptoms