Approval Package for:

APPLICATION NUMBER:

20-560 /S028

Trade Name:

Fosamax Tablets

Generic Name:

alendronate sodium

Sponsor:

Merck & Co., Inc

Approval Date:

September 16, 2002

APPLICATION NUMBER: 20-560 /S028

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APPLICATION NUMBER: 20-560 /S028

APPROVAL LETTER



Food and Drug Administration Rockville MD 20857

NDA 20-560/S-028

Merck & Co., Inc. Attention: Michele Flicker, M.D., Ph.D. Director, Regulatory Affairs P.O. Box 2000 Mail Drop: Ry 33-720 Rahway, NJ 07065

Dear Dr. Flicker:

Please refer to your supplemental new drug application dated January 18, 2001, received January 19, 2001, submitted under section 505(b) of the Federal Food, Drug, and Cosmetic Act for Fosamax (alendronate sodium) Tablets.

We acknowledge receipt of your submissions dated July 9, and August 30, 2001.

This supplemental new drug application proposes revised physician sample package labeling text for the 10 mg daily dose, and 35 and 70 mg weekly doses.

We have completed the review of this supplemental application, as amended, and have concluded that adequate information has been presented to demonstrate that the drug product is safe and effective for use as recommended in the submitted draft labeling (text for the 10 mg daily dose, 35 and 70 mg weekly doses physician sample packages) with the minor revision listed below for the 10 mg daily dose text. Accordingly, the supplemental application is approved effective on the date of this letter.

The final printed labeling (FPL) must be identical to the submitted draft labeling (text for the 10 mg daily dose, and 35 and 70 mg weekly doses physician sample packages) with the minor revision listed above. Marketing the product with FPL that is not identical to the approved labeling text may render the product misbranded and an unapproved new drug.

Please submit copies of final printed labeling (FPL) electronically according to the guidance for industry titled *Providing Regulatory Submissions in Electronic Format - NDA* (January 1999). Alternatively, you may submit 20 paper copies of the FPL as soon as it is available but no more than 30 days after it is printed. Please individually mount ten of the copies on heavy-weight paper or similar material. For administrative purposes, this submission should be designated "FPL for approved NDA 21-318." Approval of this submission by FDA is not required before the labeling is used.

If a letter communicating important information about this drug product (i.e., a "Dear Health Care Professional" letter) is issued to physicians and others responsible for patient care, we request that you submit a copy of the letter to this NDA and a copy to the following address:

MEDWATCH, HF-2 FDA 5600 Fishers Lane Rockville, MD 20857

We remind you that you must comply with the requirements for an approved NDA set forth under 21 CFR 314.80 and 314.81.

If you have any questions, call Randy Hedin, R.Ph., Senior Regulatory Management Officer, at (301) 827-6392.

Sincerely,

{See appended electronic signature page}

David G. Orloff, M.D.
Director
Division of Metabolic and Endocrine Drug Products
Office of Drug Evaluation II
Center for Drug Evaluation and Research

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/s/

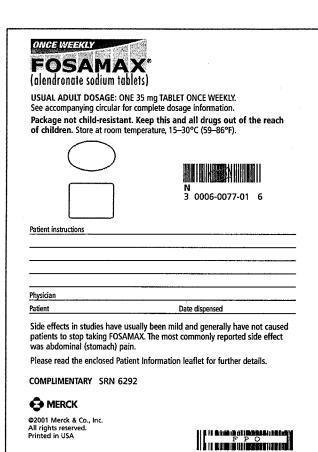
David Orloff 9/16/02 06:22:39 PM This is a representation of an electronic record that was signed electronically and this page is the manifestation of the electronic signature.

/s/

David Orloff 9/16/02 06:22:39 PM

APPLICATION NUMBER: 20-560 /S028

LABELING



For the prevention of osteoporosis in postmenopausal women

ONCE WEEKLY FOSAMAX[®] 35 mg

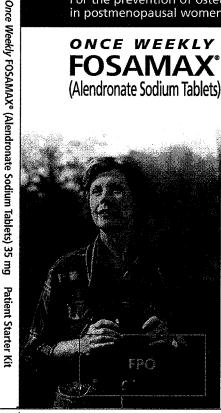
(Alendronate Sodium Tablets)

Patient Starter Kit

Each tablet contains 45.68 mg Alendronate Sodium (35 mg free acid equivalent)

1 tablet NO. 3813 COMPLIMENTARY

Rx only



mg

MERCK & CO., INC. Whitehouse Station, NJ 08889, USA

Please read it carefully. Once Weekly FOSAMAX in the enclosed Patient Information leaflet. There is important additional information about how to take

scheduled on your chosen day. same day. Return to taking one tablet once a week, as originally morning after you remember. Do not take two tablets on the If you miss a dose, take only one FOSAMAX tablet on the

same day for as long as your doctor prescribes it. Remember to take one FOSAMAX tablet once each week on that

down after 30 minutes, you must eat breakfast first. or take other medication for at least 30 minutes. If you want to lie Begin your morning activities...but don't lie down, eat, drink,

[09]

arising for the day. FOSAMASOT at bedtime or before on an empty stomach. Do not take nith a full glass (6-8 oz.) of plain water, chew or suck) one FOSAMAX tablet chosen day of the week, swallow (do not After getting up for the day on your

FOSAMAX tablet on your chosen day. fits your schedule. Every week, take one Choose the day of the week that best

> (Alendronate Sodium Tablets) FOSAMAX® 35 mg Once Meekly How to take

.XAMA2O1 fast of uoy Write in the best date for for you to remember. week that will be best choose a day of the to take your FOSAMAX, To help you remember

> back of package through Push tablet

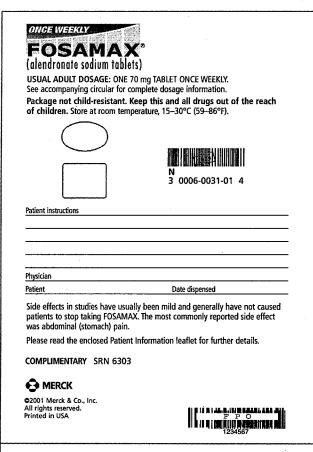
> > MEEK J

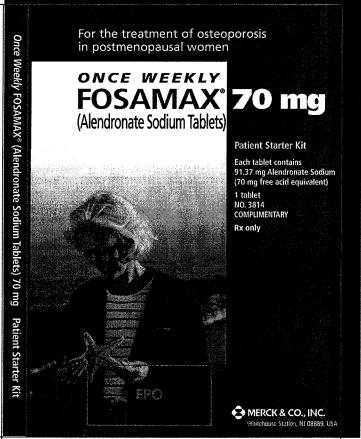




pm 2E "XAMA207 taking Once Weekly Choose your day for

(alendronate sodium tablets) *XAMA20= ONCE MEEKTA





To help you remember to take your FOSAWAX, choose a day of the week that will be best for you to remember. Write in the best date for you to start FOSAMAX.

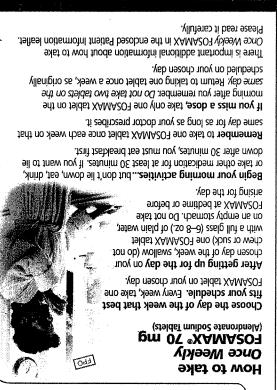
Push tablet through back of package

MEEK 1



Vebnuð Vebredu Vebseut Vebreday Vebrutī Vebrinf

Choose your day for taking Once Weekly mg



FOSAMAX® (Alendronare Sodium Tablets)

How to Take

1. After getting up for the day, swallow Charles of the orac chew or suck) one FOSAMAX table with a full giase (6-a oz.) of pain water only. Do not cake FOSAMAX at bedtime, or before arising for the day.

2. Begin the day's activities...but
DONT ILE DONN, ear, dinh,
or take other medication for at least
30 minutes, (If you want to lie down
after 30 minutes, you must eat
breakfast frat,)

What Else Should I Know?

Follow dosing instructions exactly to obtain benefit from FOSAMAX and

or painful swallowing, or chest pain because these may be signs of serious upper digestive problems which can include irritation, inflammation, or reduce the potential for esophageal irritation. Stop taking FOSAMAX and tell your doctor if you develop new or worsening heartburn, difficult new or worsening heartburn, difficult ulceration of the esophagus.

QUESTIONS & ANSWERS

FOSAMAX dendronete sodium tablets

DO 1 HAVE TO DRINK A FULL GLASS OF PLAIN WATER? YES, Drinking a full glass of plain water (6-8 oz.) delivers FOSAMAX* (Alendronate Socium Tables) to your stomach and helps dissolve the medication.

CAN 1 TAKE OTHER MEDICATIONS OR DRINK COFFEE WITH FOSAMAX?

NO. Anything other than plain water may interfere with how well FOSAMAX works.

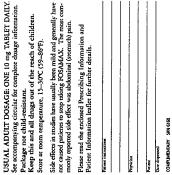
why must I wait at least 30 minutes before Eating breakfast? FOSAMAX is effective only when taken on an empty stomach.

uny CANT I LE DOUN AFTER PARING FOSAMAX7 Kernaning upplight test the tables settle quickly in your soomen and may help you and cream size effects like barthom, chest pain, or difficulty or pain upon svallowing: residiate, then lie down, want 30 minutes, ear bresidiate, then lie down, want 30 minutes, ear bresidiate, then lie down, want 30 minutes, ear

CockMAX Studied not be used if you have certain disorders of the ecophagus (fart tube that connects your mouth with your sconach), are unable to stand or sit uppid for at least 30 minutes, or there severe kidney disease. The wheel of ecition in your blood, are allegic to POSAMAX, or are pregnant or unsing. WHO SHOULD NOT TAKE FOSAMAK?

20-900-9000

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What Should I Know About Osteoporosis? For the Treatment of Postmenopausal Osteoporosis and for the Treatment to Increase Bone Mass in Men

with Osteoporosis

FOSAMAX[®] 10 mg (Alendronare Sodium Tablets)
Patient Starter Kit

Rx only 7 Tablers No. 3797 FOSAMAX* (Alendrounce Sodium Tablets)



■ Osteoporosis is a disease that causer bones to become thin, weak, and easy to break or fracture. # Osteoporosis may cause pain, height loss, and humped back, limiting your mobility.

■ Broken bones of the hip, spine, and wrist may cause pain, severe disability, or loss of mobility.



In clinical studies... ROSAMAX helped build bone, and reduced the number of fractures, including those at the hip and spine, in postmenopausal women. ROSAMAX increased bone mass in men with osteoponesis. FOSAMAX increased the amount of bone as ear as 3 months after therapy was begun. Some Facts About FOSAMAX* (Alendronae Sodium Tables)

	[봤음 그림을 모임되는 경상 시원 시원 사용 시원
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APPLICATION NUMBER: 20-560 /S028

ADMINISTRATIVE and CORRESPONDENCE DOCUMENTS

Division of Metabolic and Endocrine Drug Products

PROJECT MANAGER LABELING REVIEW

Application Number: 20-560/S-028

Name of Drug: Fosamax (alendronate sodium) Tablets

Sponsor: Merck Research Laboratories

Material Reviewed

Submission Dates:

- January 18, 2001, containing draft text for the 10, 35, and 70 mg strength physician sample packaging.
- July 9, 2001, containing revised draft text for the 10, 35, and 70 mg strength physician sample packaging.
- August 30, 2001, containing an electronic version of the revised text for the 10, 35, and 70 mg strength physician sample packaging submitted on July 9, 2001.

Background and Summary Description:

This prior approval supplemental new drug application was submitted on January 18, 2001, and proposes revised physician sample package labeling for the 10 mg daily dose, and 35 and 70 mg weekly doses. An information request letter was sent on May 15, 2001, requesting revisions to the 10 mg physician sample package labeling. Merck responded on July 9, 2001 with revised labeling for the 10 mg daily dose, and 35 and 70 mg weekly doses. Merck submitted the revised labeling electronically on August 30, 2001.

Review

10 Mg Daily Dose

The submitted final printed labeling (FPL) of text for the 10 mg daily dose
(Identifier Number SRN Issued 2001), was compared to the currently
approved FPL of the text for the 10 mg daily dose (Identifier Number
Issued 2000.) I telephoned Merck concerning the
(SRN) for supplement 028 which is This SRN
May 1- Cardle and 4-141 441

Merck further stated that the currently

	as a condition of approval. The physician sample package labeling 1————————————————————————————————————
	(SRN 5764).
	Mg Weekly Dose
٠	
	The submitted physician sample package labeling FPL text for the 70 mg weekly dose (Identifier Number SRN6303, Issued 2001), was compared to the currently approved FPL of the text for the 70 mg daily dose physician sample package labeling FPL (Identifier Number SRN 6303, Issued 2000).
	Mg Weekly Dose
	The submitted physician sample package labeling FPL text for the 35 mg weekly dose (Identifier Number SRN6292, Issued 2001), was not compared to an approved 35 mg weekly dose physician sample package labeling text. A 35 mg physician sample package labeling text was never approved. However, the physician sample package labeling FPL text for the 35 mg weekly dose was compared to the 70 mg text and is identical except for the dose.
]	The physician sample package labeling FPL text for the 10 mg daily dose contains the revisions requested in our information request letter dated on May 15, 2001. However, the first bullet in the panel which reads, "Some Facts About FOSAMAX"
•	should be changed
1	more closely reflect the results of the trials, and comply with our request in our
	approval letter for supplement 016 dated October 9, 1999, which requested the
	25.2

Conclusions

The labels are acceptable with the minor revision noted for the 10 mg daily dose text, and an approval letter should be issued.

Reviewed by: Randy Hedin, R.Ph., Senior Regulatory Management Officer

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/s/

Randy Hedin 9/12/02 08:58:44 AM CSO



Food and Drug Administration Rockville MD 20857

NDA 20-560/S-028

INFORMATION REQUEST LETTER

Merck & Co., Inc. Attention: Michelle Flicker, M.D., Ph.D. Director, Regulatory Affairs P.O. Box 2000 Mail Drop: Ry 33-720 Rahway, NJ 07065

Dear Dr. Flicker:

Please refer to your supplemental new drug application submitted on January 18, 2001, under section 505(b) of the Federal Food, Drug, and Cosmetic Act for Fosamax (alendronate sodium) Tablets.

The supplemental application proposes physician sample package labeling for the 10 mg daily dose, 35 mg weekly dose, and the 70 mg weekly dose.

We are reviewing your submission and have the following labeling comments concerning the 10 mg sample package. We need your prompt written response to continue our evaluation of your supplemental application.

1.	The panel headed
2.	The subheading in the "How to Take" panel is
3.	The claim.
	as early as three months"

Please submit revised labeling that addresses the above issues.

If you have any questions, call Randy Hedin, R.Ph., Senior Regulatory Management Officer, at (301) 827-6392.

Sincerely,

{See appended electronic signature page}

Kati Johnson, R.Ph.
Chief, Project Management Staff
Division of Metabolic and Endocrine Drug Products
Office of Drug Evaluation II
Center for Drug Evaluation and Research

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/s/

Kati Johnson 5/15/01 10:39:17 AM



Food and Drug Administration Rockville MD 20857

NDA 20-560/S-028

PRIOR APPROVAL SUPPLEMENT

Merck & Co., Inc.

Attention: Michelle Flicker, M.D., Ph.D.

Director, Regulatory Affairs

P.O. Box 2000

Mail Drop: Ry 33-720 Rahway, NJ 07065

Dear Dr. Flicker:

We have received your supplemental drug application submitted under section 505(b) of the Federal Food, Drug, and Cosmetic Act for the following:

Name of Drug Product:

Fosamax (alendronate sodium) Tablets

NDA Number:

20-560

Supplement Number:

S-028

Date of Supplement:

January 18, 2001

Date of Receipt:

January 19, 2001

This supplemental application proposes physician sample package labeling for the 10 mg daily dose, 35mg weekly dose, and the 70 mg weekly dose.

Unless we notify you within 60 days of our receipt date that the application is not sufficiently complete to permit a substantive review, this application will be filed under section 505(b) of the Act on March 20, 2001, in accordance with 21 CFR 314.101(a).

Please cite the application number listed above at the top of the first page of any communications concerning this application. All communications concerning this supplemental application should be addressed as follows:

U.S. Postal/Courier/Overnight Mail:

Food and Drug Administration
Center for Drug Evaluation and Research
Division of Metabolic and Endocrine Drug Products, HFD-510
Attention: Division Document Room 14B-19
5600 Fishers Lane
Rockville, Maryland 20857

If you have any questions, call me at (301) 827-6392.

Sincerely,

{See appended electronic signature page}

Randy Hedin, R.Ph.
Senior Regulatory Management Officer
Division of Metabolic and Endocrine Drug Products
Office of Drug Evaluation II
Center for Drug Evaluation and Research

Randy Hedin 4/6/01 10:17:10 AM