MEMORANDUM

DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
FOOD AND DRUG ADMINISTRATION
CENTER FOR DRUG EVALUATION AND RESEARCH

DDLC-RX Drug Study Bulletin # 300

DATE: APR | 5 1993

FROM: Chief

Prescription Drug Compliance Branch (HFD-313)

Division of Drug Labeling Compliance

SUBJECT: Removal of Organidin and Other Iodinated Glycerol

Containing Prescription Drug Products Sold as

Mucolytic-Expectorants from the Market.

TO: All Regional Food and Drug Directors

All District Directors
Attn: DESI Coordinators

Compliance Branch Chiefs

PURPOSE:

To advise the Districts of a regulatory class action being implemented against prescription drug products that contain iodinated glycerol as an ingredient. These products are on the market as mucolytic-expectorants with labeling for a variety of respiratory tract conditions, without FDA approval. Because of safety concerns, we are prepared to take enforcement action against these products as unapproved new drugs.

BACKGROUND:

Organidin or iodinated glycerol consists of a mixture of several iodinated compounds formed by reaction of iodine and glycerine. This drug has been marketed as a mucolytic-expectorant for over 50 years. The drug is labeled for use in treating a wide variety of respiratory tract conditions, including bronchitis, pulmonary tract conditions, cystic fibrosis, chronic sinusitis and prevention of post-operative atelectasis.

Because iodinated glycerol has been marketed without approved NDA, the drug was not included in the DESI review. Enforcement action under the new drug provisions of the Act has been deferred under the terms of CPG 7132c.02, Marketed New Drugs Without FDA Approval. Under the policy guide such drugs would not be subject to regulatory action under the priorities stated unless new information developed that would question the safety or effectiveness of the drug.

FDA now has information about the carcinogenic potential of iodinated glycerol. FDA recently reviewed the National Toxicology Program (NTP) Technical Report of the Toxicity and Carcinogenesis Studies of Iodinated Glycerol (Organidin), No. 340 that was published in March of 1990. The study indicated that there was some evidence of carcinogenic activity for male F344/N rats and female B6C3F1 mice administered iodinated glycerol in 2-year gavage studies. Based on the safety issues described in the NTP report, the scant evidence of benefit from using the drug, and the availability of alternative therapies, the agency concurred with this report and determined that the benefit does not justify the risk associated with use of the drug.

In view of the above, FDA is initiating regulatory action (as a new drug) against iodinated glycerol containing products, as outlined under Exemption No. 2 of CPG 7132c.02. Using established DESI procedures, we are issuing Warning Letters for those products specifically identified in this Drug Study Bulletin to firms in your respective Districts. Copies of Warning Letters issued to firms in your district are attached.

Prescription Drug Compliance Branch (HFD-313) will monitor the replies from firms involved and furnish copies to the appropriate district. We will also issue assignments where further follow-up is indicated.

A list of all firms with their products receiving Warning Letters is attached. If your District is aware of any additional products which may be subject to this announcement, please contact the National Coordinator so that additional Warning Letters may be issued.

National Coordinator: Emily Florio (HFD-313) 301/295-8073.

Frank R. Fazzari

Frank P. Foggen

Attachments

Copies of Warning Letters List of firms and products

эяд	PRESCRIPTION DRUGS CONTAINING	LNG	MARKETED WITHOUT APP IODINATED GLYCEROL STUDY BULLETIN #300	APPROVAL Page 1
FIRM	DIST	KH	PRODUCT	INGREDIENTS
		ਲ ' ਹ		
MY-K Labs Inc. Unknown OUT OF BUSINESS		Z	Myodine DM Liquid	10 mg - Dextromethorphan Hydrobromide 30 mg - Glycerol, Iodinated
Chesire Drugs 2280 Chesire Bridge Road Atlanta, GA 30324	HFR-SE1 HFR-SE100 HFR-SE140	R	Iophen-C Liquid Iophen-DM	30 mg - Glycerol, Iodinated 10 mg - Codeine Phosphate 30 mg - Glycerol, Iodinated
Chesire Drugs 2280 Chesire Bridge Road Atlanta, GA 30324	HFR-SE1 HFR-SE100 HFR-SE140	R		30 mg - Glycerol, Iodinated 15 mg - Iodine 10 mg - Dextromethorphan Hydrobromide
Denco (Qualitest) 1025 Jordan Rd	HFR-SE1 HFR-SE100 HFR-SE140	Л	Iophen C Liquid	30 mg - Iodinated Glycerol 10 mg - Codeine Phosphate
_ r	HFR-SE1 HFR-SE100 HFR-SE140	1	Iophen-C Liquid	10 mg - Codeine Phosphate 30 mg - Glycerol, Iodinated

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PRE		DRUGS	MARKETED WITHOUT AF IODINATED GLYCEROL STUDY BULLETIN #300	Page 3
	DDLC-RX I	DRUG	PIODI BONDULA	
FIRM	DIST	< H	PRODUCT	INGREDIENTS
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		ta		
Qualitest 1025 Jordan Rd. Huntsville, AL 35811	HFR-SE300 HFR-SE330	۲	Tophen Solution 50 MG/ML	50 mg - Glycerol, Iodinated
Scrippak, Inc. 11940 Alpharetta Hwy. STE 130	HFR-SE1 HFR-SE100 HFR-SE140	RL	Iophen C Liquid	10 mg - Codeine Phosphate 30 mg - Glycerol, Iodinated
1, B1v	HFR-MA1 HFR-MA200	M	Iophen DM Liquid	30 mg - Iodinated Glycerol 10 mg - Dextromethorphan Hydrobromide
				- 1
Barre-National, Inc. 7205 Windsor Blvd.	HFR-MA1 HFR-MA200 HFR-MA240	Z	Iophen Elixir	60 mg - Iodinated Glycerol 30 mg - Iodine
e-National,	HFR-MA1	3	Iophylline Elixir	120 mg - Theophylline 30 mg - Iodinated Glycerol
7205 Windsor Blvd.	HFR-MA240			mg -
Barre-National, Inc. 7205 Windsor Blvd. Raltimore, MD 21207	HFR-MA1 HFR-MA200 HFR-MA240	R	Iophen Solution	50 mg - Iodinated Glycerol 25 mg - Iodine
onal, or Bl	HFR-MA1 HFR-MA200 HFR-MA240	3	Iophen-C Liquid	10 mg - Codeine Phosphate 30 mg - Iodinated Glycerol 15 mg - Iodine

PRE	PRESCRIPTION DRUGS CONTAINING DDLC-RX DRUG	DRUGS INING K DRUG	MARKETED WITHOUT A IODINATED GLYCEROL STUDY BULLETIN #30	PPROVAL Page 5
FIRM	DIST	4 H	PRODUCT	INGREDIENTS
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Schein Pharmaceutical, Inc. 131 West Street Danbury, CT 06810	HFR-NE1 HFR-NE200 HFR-NE240	L	Iophen-C Liquid	
Schein Pharmaceutical, Inc. 131 West Street Danbury, CT 06810	HFR-NE1 HFR-NE200 HFR-NE240		Iophen DM Liquid	
Schein Pharmaceutical, Inc. 131 West Street Danbury, CT 06810	HFR-NE1 HFR-NE200 HFR-NE240		Iodinated Glycerol Tablets 30 MG	
Turrill Drug Incorporated 800 Federal Road Brookfield, CT 06804	HFR-NE1 HFR-NE200 HFR-NE240	æ	Iophen DM Syrup	
DRX Pharmaceutical Consultants, Inc. 8135 N. Monticello Ave. Skokie, IL 60076	HFR-MW1 HFR-MW100 HFR-MW140	R	Iophen C Liquid	10 mg - Codeine Phosphate 30 mg - Glycerol, Iodinated
DRX Pharmaceutical Consultants, Inc. 8135 N. Monticello Ave. Skokie, IL 60076	HFR-MW1 HFR-MW100 HFR-MW140	R	Iodinated Glycerol With DM	

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PRE	PRESCRIPTION DRUGS CONTAINING DDLC-RX DRUG	RUGS NING DRUG	MARKETED WITHOUT APP IODINATED GLYCEROL STUDY BULLETIN #300	PPROVAL Page 7
FIRM	DIST	ч н	PRODUCT	INGREDIENTS
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Pharmaceutical Basics,	HFR-MW1	∡	Iodinated Glycerol and Codeine	30 mg - Glycerol, Iodinated
Inc. 6451 West Main Street Morton Grove, IL 60053	HFR-MW140	5	Phosphate Liquid	10 ns - Codeine Phosphate
Pharmaceutical Basics, Inc. 6451 West Main Street	HFR-MW1 HFR-MW100 HFR-MW140	, 3	Iodinated Glycerol Elixir 60 MG/5ML	60 mg - Glycerol, Iodinated
Pharmaceutical Basics,	HFR-MW1		اشوا	30 mg - Glycerol,
Inc. 6451 West Main Street	HFR-MW140	17	מנו הדלמדמ	10 mg - Dextromethorphan Hydrobromide
ose Laborato	HFR-MW1	;	Iodinated Glycerol	30 mg - Glycerol,
Inc. 1718 Northrock Court	HFR-MW140	7	Dextromethorphan	10 mg - Dextromethorphan
_			нуагоргоштае	15 mg - Iodine
Unit Dose Laboratories,	HFR-MW1	R	£ ∩0	mg -
1718 Northrock Court	HFR-MW140		Codeine Phosphate	Iodinated
Labo	HFR-MW1	RJ	Iodinated Glycerol	60 mg - Glycerol, Iodinated
1718 Northrock Court	HFR-MW140			30 mg - Iodine
-		l		

PRE	PRESCRIPTION DRUGS CONTAINING DDLC-RX DRUG	DRUGS NING DRUG	MARKETED WITHOUT IODINATED GLYCERO: 8TUDY BULLETIN #3	APPROVAL L Page 9
FIRM	DIST	KH	1	INGREDIENTS
		E T		
Physicians Total Care,	HFR-SW1	z	Iophen-C Liquid	\vdash
Inc. 105 East Main Stigler, OK 74462	HFR-SW140	Z:		10 mg - Codeine Phosphate 15 mg - Iodine
Physicians Total Care, Inc. 105 East Main	HFR-SW1 HFR-SW100 HFR-SW140	ZΖ	Tussi-Organidin Liquid	30 mg - Glycerol, Iodinated 10 mg - Codeine Phosphate
Geneva Pharmaceuticals, Inc. 2599 West Midway Blvd. Broomfield, CO 80020	HFR-SW1 HFR-SW200 HFR-SW240	Ţ	Iodinated Glycerol DM Liquid	30 mg - Glycerol, Iodinated 10 mg - Dextromethorphan Hydrobromide
Geneva Pharmaceuticals, Inc. 2599 West Midway Blvd. Broomfield, CO 80020	HFR-SW1 HFR-SW200 HFR-SW240	Ľ	Iodinated Glycerol Tablets 30 mg	30 mg - Glycerol, Iodinated
<u> </u>	HFR-SW1 HFR-SW200 HFR-SW240	Ţ	Iodinated Glycerol/Codeine	30 mg - Glycerol, Iodinated 10 ns - Codeine Phosphate
= =	HFR-SW1 HFR-SW200 HFR-SW240	Ŀ	Iodinated Glycerol Elixir	60 mg - Glycerol, Iodinated
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PRE	PRESCRIPTION DRUGS CONTAINING	RUGB	MARKETED WITHOUT ALIODINATED GLYCEROL	PPROVAL 0 Page 11
FIRM		екн		INGREDIENTS
Veratex Corporation 1304 E. Maple Troy, MI 48084	HFR-MW1 HFR-MW200 HFR-MW240	٤ ٦	Tussi Organidin Liquid	30 mg - Glycerol, Iodinated 10 mg - Codeine Phosphate
Med-Pro, Inc. 210 East 4th St., Box 694 Lexington, NE 68850	HFR-SW1 HFR-SW300 HFR-SW340	R	Iophen-C-Liquid	
Med-Pro, Inc. 210 East 4th St. Box 694 Lexington, NE 68850	HFR-SW1 HFR-SW300 HFR-SW340	R	Organidin Solution	50 mg - Glycerol, Iodinated 25 mg - Iodine
nc. th st	HFR-SW1 HFR-SW300 HFR-SW340	R	Iodinated Glycerol 30 MG/ Dextromethorphan HBR 10 M Dose: Liquid	10 mg - Dextromethorphan Hydrobromide 30 mg - Glycerol, Iodinated 15 mg - Iodine
Med-Pro, Inc. 210 East 4th St. Box 694	HFR-SW1 HFR-SW300 HFR-SW340	R	Iodinated Glycerol 60 MG/5 ML Elixir	60 mg - Glycerol, Iodinated 30 mg - Iodine
th St.	HFR-SW1 HFR-SW300 HFR-SW340	R	Iodinated Glycerol 30 MG/Codeine Phosphate 10 MG Per dose: Syrup	30 mg - Glycerol, Iodinated 10 mg - Codeine Phosphate

	PRE	PRESCRIPTION DRUGS CONTAINING DDLC-RX DRUG	DRUGB INING	MARKETED WITHOUT IODINATED GLYCEROL #3	APPROVAL Page 13
	FIRM	DIST	; H3	i i	INGREDIENTS
			ਸ਼ਾਹ∺		
	Anabolic, Inc. 17802 Gillette Ave. Irvine, CA 92714	HFR-P1 HFR-P200 HFR-P240	Z	Iodrol Tablets	30 mg - Iodinated Glycerol 15 mg - Iodine
	Clinical Pharm 861 Nancy Ridge Rd. San Diego, CA 92121	HFR-P1 HFR-P200 HFR-P240	Z Z Z	Organidin 30 mg Tabs	30 mg - Iodinated Glycerol
	Clinical Pharm 861 Nancy Ridge Rd.	HFR-P1 HFR-P200 HFR-P240	Z Z Z	Iophen DM Syrup	30 mg - Iodinated Glycerol 10 mg - Dextromethorphan Hydrobromide
	nical Pharm Nancy Ridge	HFR-P1 HFR-P200	ZZ	Iophen-C Syrup	30 mg - Iodinated Glycerol 10 mg - Codeine Phosphate
	nical Pharm Nancy Ridge Rd. Diego. CA 9212	HFR-P1 HFR-P200 HFR-P240	Z Z Z	Iophen Elixir 60mg/5ml	60 mg - Iodinated Glycerol
***	omp 517	HFR-SE1 HFR-SE400 HFR-SE440	 ₽	Organidin 30 mg Tablets	30 mg - Iodinated Glycerol
	Compumed Inc. 1517 Edwards Ave. Harahan, LA 70123	HFR-SE1 HFR-SE400 HFR-SE440	RN	Iodinated Glycerol Elixir 60 mg/5ml	60 mg - Iodinated Glycerol

PRE		ING	TED WITHOUT TED GLYCERO	APPROVAL L Page 15
	DULC-KX L	7 000		Ingredients
F. T. KW	1	×:		
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Omega Laboratories	HFR-SE1 HFR-SE300	æ	Tussi-Organidin DM solution	15 mg - Glycerol, Iodinated 20 mg - Todine
le, AL	HFR-SE330			10 mg - Dextromethorphan Hydrobromide
Omega Laboratories 1125 North Corporate	HFR-SE1 HFR-SE300 HFR-SE330	Ħ	Oridol-DM Liquid	10 mg - Dextromethorphan Hydrobromide 30 mg - Glycerol,
Mobile, AL 3660/				
Omega Laboratories 1125 North Corporate	HFR-SE1 HFR-SE300	R	Iophen DM syrup	30 mg - Glycerol, Iodinated 10 mg - Dextromethorphan
Mobile, AL 36607				II) Green Consultation
Omega Laboratories	HFR-SE1	R	Iophen-C Liquid	10 mg - Codeine Phosphace 30 mg - Glycerol,
<u>.</u>	HFR-SE330			
HODITCI	HER-SE1		Oridol-C 5 MG/5 ML	10 mg - Codeine Phosphate
Omega Laboratories 1125 North Corporate	HFR-SE300	R		mg - dinate
Mobile, AL 36607				
Labor	HFR-SE1	z	Tussi-Organidin DM Liquid	10 mg - Codeine Phosphace
1125 North Corporace	HFR-SE330	;	ا ا ان	Iodinated
Mobile, AL 36607		r		
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120 mg - Theophylline 30 mg - Glycerol, Iodinated 15 mg - Iodine	Theo Organidin	۲	HFR-MA1 HFR-MA300 HFR-MA330	Wallace Laboratories, Division of Carter Wallace, Inc. Half Acre Road Cranbury, NJ 08512
25 mg - Iodine 60 mg - Glycerol, Iodinated 30 mg - Iodine 30 mg - Glycerol, Iodinated 15 mg - Iodine		t	HFR-MA330	Wallace, Inc. Half Acre Road Cranbury, NJ 08512
50 mg - Glycerol, Iodinated	Organidin		HFR-MA1	Wallace Laboratories,
10 mg - Codeine Phosphate 15 mg - Iodine 30 mg - Glycerol, Iodinated	Tuss Organidin	Ŀ	HFR-MA1 HFR-MA300 HFR-MA330	Wallace Laboratories, Division of Carter Wallace, Inc. Half Acre Road Cranbury, NJ 08512
30 mg - Glycerol, Iodinated 15 mg - Iodine 10 mg - Dextromethorphan Hydrobromide	Tussi-Organidin DM Liquid	RΖ	HFR-MA1 HFR-MA300 HFR-MA330	Pharmpak, Inc. 186 Paterson Avenue East Rutherford, NJ 07073
INGREDIENTS	PRODUCT	пикн	DIST	FIRM
PPROVAL Page 17	MARKETED WITHOUT A. IODINATED GLYCEROL STUDY BULLETIN #30)RUGB NING DRUG	PRESCRIPTION DRUGS CONTAINING DDLC-RX DRUG	PR

				75011
10 mg - Codelne Phosphace 30 mg - Glycerol, Iodinated 15 mg - Iodine	Iophen-C Liquid	r	HFR-NE1 HFR-NE100 HFR-NE140	Rugby Lab 898 Orlando Ave. West Hempstead, NY
dinated mg - Iodine	Iophen		HFR-NE1 HFR-NE100 HFR-NE140	Rugby Lab 898 Orlando Ave. West Hempstead, NY 11552
20 mg = Glycerol,		+		
Hydrobromide 30 mg - Glycerol, Iodinated 15 mg - Iodine	Iophen DM Elixir	Ľ	HFR-NE100 HFR-NE140	Rugby Lab 898 Orlando Ave. West Hempstead, NY 11552
		1		11552
60 mg - Glycerol, Iodinated 30 mg - Iodine	Iophen Elixir	r	HFR-NE1 HFR-NE100 HFR-NE140	Rugby Lab 898 Orlando Ave. West Hempstead, NY
				11006
50 mg - Glycerol, Iodinated 25 mg - Iodine	Iophen Solution	<u>t-</u> 1	HFR-NE1 HFR-NE100 HFR-NE140	Rugby Lab 898 Orlando Ave. West Hempstead, NY
		E 70		
INGREDIENTS	PRODUCT	нч	DIST	FIRM
	BLODI BORRETTE "200	DRUG	DDLC-RX	
APPROVAL 100 Page 19	MARKETED WITHOUT IODINATED GLYCERC	RUGB	PRESCRIPTION DRUGS CONTAINING	PRE

PRE	PRESCRIPTION DR	DRUGB	MARKETED WITHOUT APP	APPROVAL L
	DDLC-RX DRUG	DRUG	STUDY BULLETIN #300	7 - 7 -
FIRM	DIST	K H	PRODUCT	INGREDIENTS
		ਰ ਦ		
Goldline Laboratories,	HFR-SE1	ר	Iophen	25 mg - Iodine 50 mg - Glycerol,
Inc. 1900 W. Commercial	HFR-SE240	1		Iodinaced
•				
Ft. Lauderdale, FL				
Goldline Laboratories,	HFR-SE1	-	Iodinated Glycerol,	mg - dinate
Inc. 1900 W. Commercial	HFR-SE240		Iodinated	15 mg - rourise
Blvd. Ft. Lauderdale, FL				
			- 1	
Goldline Laboratories,	HFR-SE1	r -	Tuss-R-Gen DM	O
1900 W. Commercial	HFR-SE240			mg - dinate
				15 mg - Iodine
Ft. Lauderdale, FL				
Goldline Laboratories,	HFR-SE1	٣	Theo-R-Gen	30 mg - Glycerol,
1900 W. Commercial	HFR-SE240			15 mg - Iodine
Ft. Lauderdale, FL				
33309		-		

To life - Tourise				Hialeah, FL 33014
വാ	lssive -	r	HFR-SE240	Inc. 5105 Northwest 159th
30 mg - Glycerol,	Iodur DM Liquid		HFR-SE1	niatean, in John
				st.
loginaced			HFR-SE240	5105 Northwest 159th
100 mg - Codeine Phosphate 30 mg - Glycerol,	Iodur with Codeine Liquid	Ľ	HFR-SE1	Mason Distributors,
				Hialeah, FL 33014
			HFK-3E240	5105 Northwest 159th
Iodinated		Ľ	HFR-SE200) Distribu
60 mg - Glycerol,	Iodur Elixir 60		HFR-SE1	7.
	Expectorant		Hr K - SE240	3307 NW 74th Avenue Miami, FL 33122
	Tussi-Pres Antitussive-	۲	HFR-SE1 HFR-SE200	Kramer Pharmaceutical, Inc.
		m		
ن معرود		שׁ		
INGREDIENTS	PRODUCT	K H	DIST	FIRM
- 1	STUDY BULLETIN #300	DRUG	DDLC-RX	
PPROVAL Page 23	MARKETED WITHOUT AND IODINATED GLYCEROL	RUGB	PRESCRIPTION DRUGS CONTAINING	PRE

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PRE	PRESCRIPTION DRUGS CONTAINING	RUGS	MARKETED WITHOUT IODINATED GLYCERC STUDY BULLETIN #	APPROVAL)L 300 Page 25
FIRM		с н 3	PRODUCT	INGREDIENTS
		ਰ ਰ		
Thrift Drug, Inc. 615 Alpha Drive Pittsburgh, PA 15238	HFR-MA1 HFR-MA100 HFR-MA140	R	Tussi-Organidin DM Liquid	30 mg - Glycerol, Iodinated 10 mg - Dextromethorphan Hydrobromide
United Research Laboratories 3600 Meadow Lane Bensalem, PA 19020	HFR-MA1 HFR-MA100 HFR-MA140	E	Iophen Elixir	60 mg - Glycerol, Iodinated 30 mg - Iodine
United Research Laboratories 3600 Meadow Lane	HFR-MA1 HFR-MA100 HFR-MA140	Ľ	Iophen-C Liquid	10 mg - Codeine Phosphate 30 mg - Glycerol, Iodinated 15 mg - Iodine
searc ies ow La	HFR-MA1 HFR-MA100 HFR-MA140	Ľ	Iodinated Glycerol 30 MG Tablets	30 mg - Glycerol, Iodinated
rc	HFR-MA1 HFR-MA100 HFR-MA140	7	Iophen DM	10 mg - Dextromethorphan Hydrobromide 30 mg - Glycerol, Iodinated 15 mg - Iodine
HR Cenci Labs, Inc. 152 N. Broadway Fresno, CA 93701	HFR-P1 HFR-P100 HFR-P140	Z	Iocen-DM Liquid	30 mg - Glycerol, Iodinated 10 mg - Dextromethorphan Hydrobromide

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30 mg - Iodinated Glycerol 10 mg - Codeine Phosphate	Tuss-Mine with Codeine Liquid	r	HFR-SE500 HFR-SE540	Bergmar Pharmaceutical De Diego 590 Rio Piedras, PR 00924
30 mg - Glycerol, Iodinated 10 mg - Dextromethorphan Hydrobromide	Tussi Organidin DM Liquid	R	HFR-P1 HFR-P300 HFR-P330	Mercantile Plaza Pharmacy 3975 S W Mercantile Drive Lake Oswego, OR 97035
60 mg - Glycerol, Iodinated	Iophen 60 MG/ 5 ML Elixir	HNR	HFR-P1 HFR-P300 HFR-P330	Tuality Forest Grove Hospital 1809 Maple Street Forest Grove, OR 97116
10 mg - Dextromethorphan Hydrobromide 30 - Glycerol, Iodinated	Iophen DM	z z	HFR-P1 HFR-P100 HFR-P140	Pharmedix Co. 3519 Breakwater Ave. Hayward, CA 94545
30 mg - Glycerol, Iodinated 10 mg - Codeine Phosphate	Iophen C	ZZ	HFR-P1 HFR-P100 HFR-P140	Pharmedix Co. 3519 Breakwater Ave. Hayward, CA 94545
30 mg - Iodine 60 mg - Glycerol, Iodinated	Iophen Elixir	zπ	HFR-P1 HFR-P100 HFR-P140	Pharmedix Co. 3519 Breakwater Ave. Hayward, CA 94545
INGREDIENTS	PRODUCT	האקש	DIST	FIRM
PROVAL Page 27	MARKETED WITHOUT AP IODINATED GLYCEROL STUDY BULLETIN #300	DRUGB INING K DRUG	PRESCRIPTION DRUGS CONTAINING DDLC-RX DRUG	PR

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