

# THE UPJOHN COMPANY

KALAMAZOO, MICHIGAN 49001  
TELEPHONE (616) 382-4000

May 10, 1976

Rabbi S. Blumenkrantz  
Vaad Hakashrus  
P.O.B. 56  
Brooklyn, N.Y. 11228

Dear Rabbi Blumenkrantz:

This is in reply to your letter of inquiry to Mr. H.M. Woodward regarding certain ingredients used in our pharmaceutical products.

Enclosed you will find the lists of ingredients that you are generally interested in and a corresponding list of our Human Pharmaceutical Products using each.


1. Lactose (U.S.P. grade)
2. Gelatin (U.S.P. grade)
3. Glycerin (U.S.P. grade)
4. Stearates (U.S.P. grade)
5. Alcohol U.S.P.
6. Starch-corn, wheat and rice (U.S.P. grades)
7. Liquid Glucose U.S.P. (corn syrup)
8. Corn Oil (U.S.P. grade)

All of the above ingredients meet United States Pharmacopeia XVIII requirements and standards and are "Food Grade".

It should be noted that these lists are current as of this date, however, diluents and excipients of these type are subject to change at any time.

We hope these will aid you in your Research and Development.

Sincerely,



C.A. Fenwick, R.Ph.  
Product Coordination Services

U.S. HUMAN PHARMACEUTICAL PRODUCTS CONTAINING:

1. LACTOSE U.S.P. HYDROUS

(Suppliers: Humko-Sheffield Chemicals and Formost McKesson, Inc.)

Adeflor Chewable, Tablets, 0.5 mg and 1 mg  
Alphadrol, Tablets, 1.5 mg (N.F.)  
Ascorbic Acid U.S.P., Tablets, 250 mg  
Cardrase, Tablets, 125 mg (U.S.P.)  
Cebefortis, Tablets  
Cebenase, Tablets  
Cortef, Tablets (U.S.P.), 5 mg, 10 mg and 20 mg  
Cortisone Acetate Tablets, U.S.P., 5 mg, 10 mg and 25 mg  
Delta-Cortef, Tablets, 5 mg (U.S.P.)  
Deltasone, Tablets (U.S.P.), 2.5 mg, 5 mg, 10 mg, 20 mg, and 50 mg  
Didrex, Tablets, 25 mg and 50 mg  
Dipaxin, Tablets, 5 mg (N.F.)  
E-Mycin, Tablets, 250 mg  
Feminone, Tablets, 0.05 mg (U.S.P.)  
Ferrittrinsic, Tablets  
Halodrin, Tablets  
Halotestin, Tablets (U.S.P.), 2 mg, 5 mg and 10 mg  
Lincocin, Capsules (U.S.P.), 500 mg  
Lincocin, Pediatric Capsules (U.S.P.), 250 mg  
Medrol, Tablets (N.F.), 2 mg, 4 mg and 16 mg  
Methosarb, Tablets, 50 mg  
Niacin Tablets, N.F., 50 mg  
P-A-C Compound, Tablets, Green  
P-A-C Compound, Tablets, Pink  
P-A-C Compound, Tablets, White  
P-A-C Compound With Codeine Sulfate, Tablets, 1/4 gr and 1/2 gr  
Pamine, Tablets, 2.5 mg (N.F.)  
Pamine PB. Tablets  
Pamine PB, Half-Strength, Tablets  
Panmycin Hydrochloride, Capsules (U.S.P.), 250 mg  
Phenobarbital and Belladonna, No. 1, Tablets  
Phenobarbital and Belladonna, No. 2, Tablets  
Provera, Tablets (U.S.P.), 2.5 mg and 10 mg  
Pyrroxate, Capsules  
Pyrroxate, Tablets  
Pyrroxate with Codeine Phosphate, Capsules, 1/4 gr  
Reserpoid, Tablets (U.S.P.), 0.1 mg and 0.25 mg  
Solu-Medrol, Sterile (U.S.P.), 40 mg Mix-O-Vial  
Special Formula, No. 2, Tablets  
Thyroid, (U.S.P.), Tablets, 1 gr  
Unicap Chewable, Tablets  
Unicap Senior, Tablets  
Unicap Therapeutic, Tablets  
Unigesic-A, Tablets  
Uracil Mustard, Capsules, 1 mg  
Vitamin C, Tablets, 250 mg

U.S. HUMAN PHARMACEUTICAL PRODUCTS CONTAINING:

2. GELATIN U.S.P.

(Suppliers: Geo. A Hormel & Co., Kind & Knox, Swift, Atlantic Gelatin, and Wilson & Co., Inc.)

Adeflor M, Tablets  
Albamycin, Capsules, 250 mg  
Casakol, Capsules  
Cebefortis, Tablets  
Cebenase, Tablets  
Cebetinic, Tablets  
Cleocin HCl, Capsules 75 mg and 150 mg  
Comycin, Capsules  
Depo-Heparin Sodium, Sterile Solution, 20,000 U.S.P. Units per ml  
E-Mycin, Tablets, 250 mg  
Ferrittrinsic, Tablets  
Ferrous Sulfate, U.S.P., Tablets, 325 mg  
Gelfilm, Sterile  
Gelfilm Ophthalmic Sterile  
Gelfilm Rectal, Sterile  
Gelfoam (U.S.P.), Sterile, Size 12-3 mm and Size 12-7 mm  
Gelfoam (U.S.P.), Sterile, Size 50  
Gelfoam (U.S.P.), Sterile, Size 100  
Gelfoam (U.S.P.), Sterile, Size 200  
Gelfoam Compress (U.S.P.), Sterile, Size 100  
Gelfoam Packs (U.S.P.), Sterile, Size 2 cm and Size 6 cm  
Gelfoam Dental Packs (U.S.P.), Sterile, Size 2 and Size 4  
Gelfoam Powder (Nonsterile)  
Gelfoam Powder (Sterile)  
Gelfoam Prostatectomy Cones (U.S.P.), Sterile, Size 13 cm and Size 18 cm  
Geltabs, Vitamin D, Capsules (U.S.P.), 1.25 mg (50,000 International Units)  
Lincocin, Capsules (U.S.P.), 500 mg  
Lincocin, Pediatric Capsules (U.S.P.), 250 mg  
Medrol, Medules, 2 mg and 4 mg  
Minacap, Capsules  
Orthoxine and Aminophylline, Capsules  
P-A-C Compound, Capsules, Green  
P-A-C Compound with Codeine Sulfate, Capsules, 1/2 gr  
Panmycin Hydrochloride, Capsules, 250 mg  
Pensyn, Capsules, 250 mg and 500 mg  
Polykol, Capsules, 250 mg  
Pyrroxate, Capsules  
Pyrroxate with Codeine Phosphate, Capsules, 1/4 gr  
Sigtab, Tablets  
Special Formula, No. 2, Tablets  
Super D Perles (N.F.)  
Unicap  
Unicap Plus Iron, Tablets  
Unicap M, Tablets  
Unicap Senior, Tablets  
Unicap Therapeutic, Tablets  
Uracil Mustard, Capsules, 1 mg  
Urestrin, Capsules, 1 mg  
Vitamin E Capsules, 37.5 I.U., 75 I.U. and 200 I.U.  
Zymacap, Capsules

U.S. HUMAN PHARMACEUTICAL PRODUCTS CONTAINING:

3. GLYCERIN U.S.P.

(Suppliers: Proctor & Gamble, Shell Chemicals, and Emery Industries, Inc.)

Adeflor Drops  
Adeflor B Drops  
Caripeptic Liquid  
Cidicol (Syrup)  
Clocream  
Cortef Fluid, Oral Suspension, 10 mg per 5 ml  
Epinephricaine, Rectal Ointment  
Geltabs, Vitamin D, Capsules (U.S.P.), 1.25 mg (50,000 I.U.)  
Gerizyme  
Hydriodic Acid (Upjohn), Syrup  
Hydrolose Syrup  
Powder Kaolin and Pectin Mixture, Dehydrated  
Liprotein, Powder  
Malcogel  
Medrol, Medules, 2 mg  
Medrol Acetate, Topical, 0.25% and 1%  
Mycifradin Sulfate, Oral Solution, 125 mg per 5 ml (U.S.P.)  
Myringacaine  
Neo-Medrol Acetate, Topical, 0.25% and 1%  
Oral Pentacresol 1:1000  
Orthoxicol (Syrup)  
Orthoxine Hydrochloride, Syrup  
Pamine PB, Drops  
Pamine PB, Elixir  
Paregoric, U.S.P., Tincture  
Phenobarbital, U.S.P., Elixir  
Somagen, Powder  
Super D Perles (N.F.)  
Terpin Hydrate and Codeine, N.F., Elixir  
Unicap  
Urestrin, Capsules, 1 mg  
Vitamin E, Capsules, 37.5 I.U., 75 I.U. and 200 I.U.  
Zymacap, Capsules  
Zymadrops  
Zymasyrup

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U.S. HUMAN PHARMACEUTICAL PRODUCTS CONTAINING:

4. STEARATES (Magnesium Stearate U.S.P. Powder Food Grade)

(Suppliers: S.B. Penick, and Mallinckrodt)

Adeflor M, Tablets  
Albamycin, Capsules, 250 mg  
Anachloric A, Tablets  
Ascorbic Acid, U.S.P., Tablets, 250 mg  
Casakol, Capsules  
Cebefortis, Tablets  
Cebenase, Tablets  
Cebetinic, Tablets  
Comycin, Capsules  
Cyclogesterin, Tablets  
Deltasone, Tablets, 50 mg  
E-Mycin, Tablets, 250 mg  
Feminone, Tablets 0.05 mg  
Ferrittrinsic, Tablets  
Lincocin, Capsules (U.S.P.), 500 mg  
Lincocin, Pediatric Capsules (U.S.P.), 250 mg  
Malcotabs  
Maolate, Tablets, 400 mg  
Medrol, Medules, 2 mg and 4 mg  
Methosarb, Tablets, 50 mg  
Orinase, Tablets, 0.5 gm (U.S.P.)  
Panmycin, Tablets, (N.F.), 250 mg and 500 mg  
Panmycin Hydrochloride, Capsules (U.S.P.), 250 mg  
Phenobarbital and Belladonna, No. 1, Tablets  
Phenobarbital and Belladonna, No. 2, Tablets  
Polykol, Capsules, 250 mg  
Pyrroxate, Capsules  
Pyrroxate, Tablets  
Pyrroxate with Codeine Phosphate, Capsules, 1/4 gr  
Reserpoid, Tablets (U.S.P.), 0.1 mg and 0.25 mg  
Soxomide, Tablets, 0.5 gm (U.S.P.)  
Thyroid, U.S.P., Tablets, 1 gr  
Tolinase, Tablets (U.S.P.), 100 mg, 250 mg and 500 mg  
Unicap Plus Iron, Tablets  
Unicap M, Tablets  
Unigesic-A, Tablets  
Uticillin VK, Tablets (U.S.P.), 250 mg (400,000 Units) and 500 mg  
(800,000 Units)  
Vitamin C, Tablets, 250 mg

U.S. HUMAN PHARMACEUTICAL PRODUCTS CONTAINING:

5. ALCOHOL U.S.P.

(Suppliers: Shell, U.S.I., C.S.C., Publicker, and Enjay)

Albamycin Syrup, Aqueous Suspension, 125 mg per 5 ml (N.F.)  
Caripeptic Liquid  
Cheracol, Syrup  
Cheracol D, Cough Syrup  
Cidicol (Syrup)  
Emeracol (Syrup)  
Gerizyme  
Oral Pentacresol 1:1000  
Pamine PB, Drops  
Pamine PB, Elixir  
Paregoric, U.S.P., Tincture  
Phenobarbital, U.S.P., Elixir  
Salicresin, Fluid  
Special Cough Formula (Red), S.F. 17750 (Syrup)  
Terpin Hydrate and Codeine, N.F., Elixir  
Vanilla-Vanillin Flavoring, Immitation  
Zymalixir  
Zymasyrup  
Zymatinic Drops

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U.S. HUMAN PHARMACEUTICAL PRODUCTS CONTAINING:

6. STARCH (corn, wheat, rice)

(Suppliers: National Starch & Chemical, A.E. Staley, United Beehive Starch Works, C.P.C., and Morrison & Watkins)

Adeflor Chewable, Tablets, 0.5 mg and 1 mg  
Adeflor M, Tablets  
Albamycin, Capsules, 250 mg  
Alkets, Tablets  
Alphadrol, Tablets, 1.5 mg (N.F.)  
Anachloric A, Tablets  
Ascorbic Acid, U.S.P., Tablets, 250 mg  
Aspirin, U.S.P., Tablets, 5 grs  
Calcium Gluconate Tablets, U.S.P., 975 mg  
Calcium Lactate Tablets, U.S.P., 650 mg  
Cardrase, Tablets, 125 mg (U.S.P.)  
Casakol, Capsules  
Comycin, Capsules  
Cortef, Tablets (U.S.P.), 5 mg, 10 mg and 20 mg  
Cortisone Acetate Tablets, U.S.P., 5 mg, 10 mg and 25 mg  
Delta-Cortef, Tablets, 5 mg (U.S.P.)  
Deltasone, Tablets, 2.5 mg, 5 mg, 10 mg, 20 mg and 50 mg  
Didrex, Tablets, 25 mg and 50 mg  
Diostate D, Tablets  
Dipaxin, Tablets 5 mg (N.F.)  
E-Mycin, Tablets, 250 mg  
Ergophene, Skin Ointment  
Feminone, Tablets, 0.05 mg  
Ferrous Sulfate, U.S.P., Tablets, 325 mg  
Halodrin, Tablets  
Halotestin, Tablets (U.S.P.), 2 mg, 5 mg and 10 mg  
Imbicoll with Cascara  
Malcotabs  
Maolate, Tablets, 400 mg  
Medicated Foot Powder  
Medrol, Medules, 2 mg and 4 mg  
Medrol, Tablets (N.F.), 2 mg, 4 mg and 16 mg  
Methosarb, Tablets, 50 mg  
Minacap, Capsules  
Motrin, Tablets, 300 mg and 400 mg  
Niacin, Tablets, N.F., 50 mg  
Orthoxine Hydrochloride, Tablets, 100 mg  
Orthoxine and Aminophylline, Capsules  
P-A-C Compound, Tablets, Green  
P-A-C Compound, Tablets, Pink  
P-A-C Compound, Tablets, White  
P-A-C Compound with Codeine Sulfate, Tablets, 1/4 gr and 1/2 gr  
Pamine, Tablets, 2.5 mg (N.F.)  
Pamine PB, Tablets  
Pamine PB, Half-Strength, Tablets  
Panmycin, Tablets (N.F.), 250 mg and 500 mg  
Phenobarbital and Belladonna, No. 1, Tablets  
Phenobarbital and Belladonna, No. 2, Tablets

Phenolax, Wafers  
Polykol, Capsules, 250 mg  
Provera, Tablets (U.S.P.), 2.5 mg and 10 mg  
Pyrroxate, Capsules  
Pyrroxate, Tablets  
Pyrroxate with Codeine Phosphate, Capsules, 1/4 gr  
Reserpoid, Tablets (U.S.P.), 0.1 mg and 0.25 mg  
Soxomide, Tablets, 0.5 gm (U.S.P.)  
Special Formula, No. 2, Tablets  
Thyroid, U.S.P., Tablets, 1 gr.  
Unigesic A, Tablets  
Vitamin C, Tablets, 250 mg

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U.S. HUMAN PHARMACEUTICAL PRODUCTS CONTAINING:

7. LIQUID GLUCOSE U.S.P.

(Suppliers: American Maize, Clinton, C.P.C., Penick & Ford, The Hybinger Co.,  
A.E. Staley, and Morrison & Watkins)

Cheracol, Syrup  
Cheracol D, Cough Syrup  
Hydrolase Syrup  
Phenolax, Wafers  
Special Cough Formula (Red), S.F. 17750  
Special Formula, No. 2, Tablets  
Zymalixir

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U.S. HUMAN PHARMACEUTICAL PRODUCTS CONTAINING:

8. CORN OIL U.S.P.

(Supplier: A.E. Staley)

Adeflor Drops  
Adeflor B Drops  
Geltabs, Vitamin D, Capsules (U.S.P.), 1.25 mg (50,000 I.U.)  
Lipomul-Oral  
Medrol Acetate, Topical, 0.25% and 1%  
Neo-Medrol Acetate, Topical, 0.25% and 1%  
Super D Perles (N.F.)  
Unicap  
Urestrin, Capsules, 1 mg  
Zymacap, Capsules  
Zymasyrup

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