

Date of Approval: January 12, 2021

**FREEDOM OF INFORMATION SUMMARY**  
**ORIGINAL ABBREVIATED NEW ANIMAL DRUG APPLICATION**

ANADA 200-675

Optigrid<sup>®</sup> and Monovet<sup>®</sup>

(ractopamine hydrochloride Type A medicated article and  
monensin Type A medicated article)

Type A medicated articles to be used in the manufacture of Type  
B and Type C medicated feeds

Cattle fed in confinement for slaughter

Original abbreviated new animal drug approval of a medicated feed combination for the  
indications listed in Section I.L

Sponsored by:

Huvepharma EOOD

## Table of Contents

I. GENERAL INFORMATION.....	3
II. BIOEQUIVALENCE .....	5
III. HUMAN FOOD SAFETY .....	6
IV. USER SAFETY.....	6
V. AGENCY CONCLUSIONS.....	7

## **I. GENERAL INFORMATION**

### **A. File Number**

ANADA 200-675

### **B. Sponsor**

Huvepharma EOOD  
5<sup>th</sup> Floor  
3A Nikolay Haytov Str.  
1113 Sofia, Bulgaria

Drug Labeler Code: 016592

U.S. Agent Name and Address:  
Kelly Beers, Ph.D.  
Huvepharma, Inc.  
525 West Park Drive  
Peachtree City, GA 30269

### **C. Proprietary Name**

Optigrid<sup>®</sup> and Monovet<sup>®</sup>

### **D. Drug Product Established Name**

ractopamine hydrochloride Type A medicated article and monesin Type A medicated article

### **E. Pharmacological Categories**

Optigrid<sup>®</sup>: Beta adrenergic agonist  
Monovet<sup>®</sup>: Ionophore, anticoccidial

### **F. Dosage Form**

Type A medicated articles to be used in the manufacture of Type B and Type C medicated feeds.

### **G. Amount of Active Ingredients in Currently Marketed Products<sup>1</sup>**

Optigrid<sup>®</sup>: 45.4 g/lb (100 g/kg) of ractopamine hydrochloride  
Monovet<sup>®</sup>: 90.7 g/lb of monensin

### **H. How Supplied**

Optigrid<sup>®</sup> (ractopamine hydrochloride Type A medicated article): 25 lb (11.34 kg) bags

---

<sup>1</sup> The sponsors of these individual currently marketed Type A medicated articles may have approvals for other strengths of these products that are for use in the same species and class, for the same indications, and at the same dosages, but are not currently marketing those strengths of these Type A medicated articles. Such strengths, when legally marketed, are also approved for use in the manufacture of Type B and Type C medicated feeds that are the subject of this approval.

Monovet® (monensin Type A medicated article: 25 kg (55.12 lb) bags

**I. Dispensing Status**

Over-the-counter (OTC)

**J. Route of Administration**

Oral

**K. Species/Class**

Cattle fed in confinement for slaughter

**L. Indications and Dosage Regimens**

1. For increased rate of weight gain, improved feed efficiency and prevention and control of coccidiosis due to *Eimeria bovis* and *E. zuernii* in cattle fed in confinement for slaughter during the last 28 to 42 days on feed.
  - a. 8.2 to 24.6 g/ton to provide 70 to 430 mg/head/day of ractopamine hydrochloride (as Optigrid®) for increased rate of weight gain and improved feed efficiency.
  - b. 10 to 40 g/ton to provide 0.14 to 0.42 mg/lb body weight per day, depending on the severity of the coccidiosis challenge, up to 480 mg/head/day, of monensin (as Monovet®) for improved feed efficiency and for the prevention and control of coccidiosis due to *Eimeria bovis* and *E. zuernii*.

Feed continuously as sole ration for the last 28 to 42 days on feed.

Increased benefit for improved feed efficiency, when Optigrid® and Monovet® are used together vs. individually cannot be assumed because demonstration of increased effectiveness was not required for approval of this generic combination or the RLNAD combination, NADA 141-225.

2. For increased rate of weight gain, improved feed efficiency, increased carcass leanness and prevention and control of coccidiosis due to *Eimeria bovis* and *E. zuernii* in cattle fed in confinement for slaughter during the last 28 to 42 days on feed.
  - a. 9.8 to 24.6 g/ton to provide 90 to 430 mg/head/day of ractopamine hydrochloride (as Optigrid®) for increased rate of weight gain, improved feed efficiency, and increased carcass leanness.
  - b. 10 to 40 g/ton to provide 0.14 to 0.42 mg/lb body weight per day, depending on the severity of the coccidiosis challenge, up to 480 mg/head/day, of monensin (as Monovet®) for improved feed efficiency and prevention and control of coccidiosis due to *Eimeria bovis* and *E. zuernii*.

Feed continuously as sole ration for the last 28 to 42 days on feed.

Increased benefit for improved feed efficiency, when Optigrid® and Monovet® are used together vs. individually cannot be assumed because demonstration of increased effectiveness was not required for approval of this generic combination or the RLNAD combination, NADA 141-225.

3. For increased rate of weight gain and improved feed efficiency; and for prevention and control of coccidiosis due to *Eimeria bovis* and *Eimeria zuernii* in cattle fed in confinement for slaughter during the last 28 to 42 days on feed.
  - a. Not to exceed 800 g/ton feeding a minimum of 1.0 lb/head/day to provide 70 to 400 mg/head/day of ractopamine hydrochloride (as Optigrid®) for increased rate of weight gain and improved feed efficiency.
  - b. 10 to 40 g/ton to provide 0.14 to 0.42 mg/lb body weight/day, depending on the severity of the coccidiosis challenge, up to 480 mg/head/day, of monensin (as Monovet®) for improved feed efficiency and for prevention and control of coccidiosis due to *Eimeria bovis* and *Eimeria zuernii*.

Feed continuously as sole ration for the last 28 to 42 days on feed.

Increased benefit for improved feed efficiency, when Optigrid® and Monovet® are used together vs. individually cannot be assumed because demonstration of increased effectiveness was not required for approval of this generic combination or the RLNAD combination, NADA 141-225.

#### **M. Reference Listed New Animal Drug Combination (RLNAD)**

Optaflexx™ and Rumensin™ (ractopamine hydrochloride Type A medicated article and monensin Type A medicated article); NADA 141-225; Elanco US Inc.

#### **N. Approved Original Generic Type A Medicated Article**

Optigrid®; ractopamine hydrochloride Type A medicated article; ANADA 200-679; Huvepharma EOOD

#### **O. Individual Type A medicated articles approved for use in the manufacture of the Type B and Type C combination medicated feeds in this application**

Optigrid® (ractopamine hydrochloride Type A medicated article); ANADA 200-679; Huvepharma EOOD  
Monovet® (monensin Type A medicated article); ANADA 200-639; Huvepharma EOOD

## **II. BIOEQUIVALENCE**

The Federal Food, Drug, and Cosmetic Act (FD&C Act), as amended by the Generic Animal Drug and Patent Term Restoration Act (GADPTRA) of 1988, allows for an abbreviated new animal drug application (ANADA) to be submitted for a generic version of an approved new animal drug (RLNAD). Target animal safety and effectiveness data and human food safety data (other than tissue residue data) are not required for approval of an ANADA.

Following the approval of an ANADA for a generic Type A medicated article, CVM's fourth policy letter issued on November 2, 1989, with regard to the implementation of

GADPTRA, entitles the generic sponsor to submit an ANADA for each feed use combination (Type B or C medicated feed) for which the RLNAD is approved, without additional bioequivalence and tissue residue studies. CVM's fourth policy letter reaffirms that bioequivalence and tissue residues for each generic drug in the combination were adequately established in the ANADA at the time of its approval. Ractopamine hydrochloride is codified under 21 CFR 558.500, monensin is codified under 21 CFR 558.355. The combination of ractopamine hydrochloride and monensin is codified under 21 CFR 558.500.

### **III. HUMAN FOOD SAFETY**

The following are assigned to this product for cattle fed in confinement for slaughter:

#### **A. Acceptable Daily Intake and Tolerances for Residues**

The acceptable daily intake (ADI) for total residues of ractopamine hydrochloride is 1.25 micrograms *per* kilogram ( $\mu\text{g}/\text{kg}$ ) of body weight *per* day. The tolerances established for the feed use RLNAD apply to the generic feed use combination new animal drug product. A tolerance of 0.09 parts per million (ppm) is established for ractopamine (the marker residue) in liver (the target tissue), and 0.03 ppm in muscle, under 21 CFR 556.570.

The ADI for total residues of monensin is 12.5  $\mu\text{g}/\text{kg}$  of body weight *per* day. The tolerances established for the feed use RLNAD apply to the generic feed use combination new animal drug product. A tolerance of 0.10 ppm is established for monensin in liver, and 0.05 ppm in muscle, kidney and fat, under 21 CFR 556.420.

#### **B. Withdrawal Period**

Consistent with CVM's fourth policy letter issued on November 2, 1989, with regard to the implementation of GADPTRA, after the approval of an ANADA for a generic Type A medicated article, the generic sponsor is entitled to approval for all the feed-mixed combinations for which the RLNAD is approved. Tissue residue studies are not required for the approval of the generic feed use combinations (Type B or Type C medicated feeds).

To this end, the withdrawal periods for the generic combination Type C medicated feeds are those previously assigned to the RLNAD feed use combination. When used together, Optigrid<sup>®</sup> (ractopamine hydrochloride Type A medicated article) and Monovet<sup>®</sup> (monensin Type A medicated article) are approved with a 0-day withdrawal period.

#### **C. Analytical Method for Residues**

The validated analytical method for analysis of residues of ractopamine and monensin are on file at the Center for Veterinary Medicine, 7500 Standish Place, Rockville, MD 20855. To obtain a copy of the analytical method, please submit a Freedom of Information request to:

<https://www.accessdata.fda.gov/scripts/foi/FOIRequest/requestinfo.cfm>.

### **IV. USER SAFETY**

CVM did not require user safety studies for this original approval.

The combination labeling contains the following information regarding safety to humans handling, administering, or exposed to the Type B and Type C medicated feeds:

The active ingredient in Optigrid<sup>®</sup>, ractopamine hydrochloride, is a beta-adrenergic agonist. Individuals with cardiovascular disease should exercise special caution to avoid exposure. Not for use in humans. Keep out of the reach of children. The Optigrid 45 formulation (Type A Medicated Article) poses a low dust potential under usual conditions of handling and mixing. When mixing and handling Optigrid, use protective clothing, impervious gloves, protective eyewear, and a NIOSH-approved dust mask. Operators should wash thoroughly with soap and water after handling. If accidental eye contact occurs, immediately rinse eyes thoroughly with water. If irritation persists, seek medical attention. The material safety data sheet contains more detailed occupational safety information. To report adverse effects, access medical information, or obtain additional product information, call 1-877-994-4883.

## **V. AGENCY CONCLUSIONS**

This information submitted in support of this ANADA satisfies the requirements of section 512(n) of the FD&C Act and demonstrates that Optigrid<sup>®</sup> and Monovet<sup>®</sup>, when used according to the label, are safe and effective for the indications listed in Section I.L. Additionally, data demonstrate that residues in food products derived from cattle fed in confinement for slaughter administered Optigrid<sup>®</sup> and Monovet<sup>®</sup>, will not represent a public health concern when the combination medicated feed is used according to the label.