

**OPTIGRID 45- ractopamine hydrochloride powder**  
**Huvepharma, Inc**

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**Optigrid® 45**  
**(ractopamine hydrochloride Type A medicated article)**

**Huvepharma®**

*Optigrid® 45*

*(ractopamine hydrochloride Type A medicated article)*

**For use in Feeds For Cattle Fed in Confinement for Slaughter Only**

Do Not Feed Undiluted

**Net Weight 25 lb**  
**(11.34 kg)**

**Active Drug Ingredient:** Ractopamine Hydrochloride - 45.4 g per lb (100 g per kg)

**Important:** Must be thoroughly mixed into feeds before use. Follow label directions.

**Indication: Complete Feed:** For increased rate of weight gain, improved feed efficiency and increased carcass leanness in cattle fed in confinement for slaughter during the last 28 to 42 days on feed.

**Top Dress Feed:** For increased rate of weight gain and improved feed efficiency in cattle fed in confinement for slaughter during the last 28 to 42 days on feed.

**Note:** Carcass leanness effects are not an approved indication for use when feeding ractopamine by Top Dress Feeding methods.

**Complete Feed**

Indications	Appropriate Concentration of Ractopamine in Type C Medicated Feed <sup>a</sup>	Ractopamine (mg/hd/d)
Increased Rate of Weight Gain, and Improved Feed Efficiency	8.2 to 24.6 g/ton (9 ppm to 27 ppm)	70-430
Increased Rate of Weight Gain, Improved Feed Efficiency, and Increased Carcass Leanness	9.8 to 24.6 g/ton (11 ppm to 27 ppm)	90-430

<sup>a</sup> Based on 90% Dry Matter Basis

Carcass Measurements	Effect of Ractopamine <sup>a</sup>		
	8.2 grams/ton (9 ppm)	16.4 grams/ton (18 ppm)	24.6 grams/ton (27 ppm)
Hot Carcass Weight, lbs	↑	↑	↑
Dressing Percentage, %	NC	↑ <sup>b</sup>	↑ <sup>b</sup>
Carcass Percent Fat, %	NC	↓	↓
12th Rib Fat Thickness, in.	NC	NC	NC
Average Rib Eye Area, sq. in.	↑	↑	↑
USDA Yield Grade	NC	NC	↓ <sup>c</sup>
Marbling Score	NC	NC	NC
Rate of Carcass Lean Gain per Day	NC	↑	↑
Efficiency of Carcass Lean Gain per Day	NC	↑	↑

<sup>a</sup> The effect of ractopamine on parameters listed in this table is supported by data generated at the doses tested in the clinical field efficacy trials.

NC = No Change, ↑ = Increased, ↓ = Decreased

<sup>b</sup> Steers Only

<sup>c</sup> Reduction indicates an improvement in USDA Yield Grade.

## Top Dress Feed

Indications	Appropriate Concentration of Ractopamine in Type C Medicated Feed <sup>a</sup>	Ractopamine (mg/hd/d)
Increased Rate of Weight Gain and Improved Feed Efficiency	Appropriate Concentration of Ractopamine in a minimum of 1.0 lb <b>Top Dressed</b> Type C Medicated Feed <sup>a</sup> (maximum of 800 g/ton)	70-400

<sup>a</sup> Based on 90% Dry Matter Basis

**Inert Ingredients:** Ground corn cobs.

**Mixing Directions (Complete Feed):** Thoroughly mix Optigrd 45 Type A Medicated Article in a ton of appropriate feed ingredients or diluents according to the table below to obtain the proper concentration in the Type B Medicated Feed (maximum 4,920 g/ton). The following table gives examples of how some Type B Medicated Feed concentrations can be prepared:

Pounds of Optigrd 45 <sup>a</sup> To Add Per Ton To Make a Type B Medicated Feed	Resulting Ractopamine Concentration in Type B Medicated Feed <sup>b</sup>	
	grams/ton	grams/pound
36.1	1,640	0.82
72.2	3,280	1.64
108.3	4,920	2.46

<sup>a</sup> Optigrd 45 contains 45.4 g ractopamine hydrochloride per pound

<sup>b</sup> Based on 90% Dry Matter Basis

Thoroughly mix Optigrd 45 Type A Medicated Article in a ton of complete cattle feed according to the table below to obtain the proper concentration in the Type C Medicated Feed. Prepare an intermediate pre-blend of the premix prior to mixing in a complete feed. Thoroughly mix the required amount in a convenient quantity of feed ingredients then add to the remaining feed ingredients to make one ton of complete feed.

Pounds of Optigrd 45 <sup>a</sup> Per Ton To Make a Type C Medicated Feed	Resulting Ractopamine Concentration in Type C Medicated Feed <sup>b</sup>
0.18	8.2 grams/ton (9 ppm)
0.36	16.4 grams/ton (18 ppm)
0.54	24.6 grams/ton (27 ppm)

<sup>a</sup> Optigrd 45 contains 45.4 g ractopamine hydrochloride per pound

<sup>b</sup> Based on 90% Dry Matter Basis

**Mixing Directions (Liquid Type B Feeds):** Thoroughly mix Optigrd Type A Medicated Article in a ton of appropriate feed ingredients or diluents according to the table below to obtain the proper concentration in the Type B Medicated Feed (maximum 2300 g/ton).

Maintain supplement pH at 4.5 to 7.5. For stored liquid Type B Medicated Feeds containing ractopamine, recirculate immediately prior to use for not less than 10 minutes, moving not less than 1%

of the tank contents per minute from the bottom of the tank to the top. Recirculate daily as described even when not in use.

The following table gives examples of how some Type B Medicated Feed concentrations can be prepared:

Pounds of Optigrin 45 <sup>a</sup> To Add Per Ton To Make a Liquid Type B Medicated Feed	Resulting Ractopamine Concentration in Liquid Type B Medicated Feed	
	grams/ton	grams/pound
36.1	1,640	0.82
44.1	2,000	1.00
50.7	2,300	1.15

<sup>a</sup> Optigrin 45 contains 45.4 g ractopamine hydrochloride per pound

**Mixing Directions for Preparing Type C Medicated Top Dress Feed:** Thoroughly mix Optigrin 45 Type A Medicated Article in a ton of appropriate feed ingredients or diluents according to the table below to obtain the proper concentration in the Type C Medicated Feed (maximum 800 g/ton).

The following table gives examples of how some Type C Medicated Top Dress Feed concentrations can be prepared:

Pounds of Optigrin 45 <sup>a</sup> To Add Per Ton To Make Type C Medicated Top Dress Feed	Resulting Ractopamine Concentration in Type C Top Dress Medicated Feed <sup>b</sup>		
	grams/ton	grams/pound	mg/pound
Top Dress			
2.20	100	0.05	50
4.41	200	0.10	100
6.61	300	0.15	150
8.81	400	0.20	200
17.62	800	0.40	400

<sup>a</sup> Optigrin 45 contains 45.4 g ractopamine hydrochloride per pound

<sup>b</sup> Based on 90% Dry Matter Basis

**Directions for Use (Complete Feed):** Feed continuously to cattle fed in confinement for slaughter as the sole ration for the last 28 to 42 days on feed.

**Directions for Use (Type C Medicated Top Dress Feed):** Feed continuously to cattle fed in confinement for slaughter a Type C Medicated Feed containing up to a maximum of 800 g/ton ractopamine (see mixing direction table) to provide 70 to 400 mg/head/day for the last 28 to 42 days on feed. Type C Medicated Top Dress Feed must be fed in a minimum of 1.0 lb per head per day to provide 70 to 400 mg/head/day.

**CAUTION:** Not for animals intended for breeding.

**NOT FOR HUMAN USE**

**WARNING:** The active ingredient in Optigr<sup>®</sup>id, 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 Optigr<sup>®</sup>id 45 formulation (Type A Medicated Article) poses a low dust potential under usual conditions of handling and mixing. When mixing and handling Optigr<sup>®</sup>id, use protective clothing, impervious gloves, protective eye wear, 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 Safety Data Sheet contains more detailed occupational safety information. To report suspected adverse drug events, for technical assistance or to obtain a copy of the SDS, contact Huvepharma, Inc. at 1-877-994-4883 or [www.huvepharma.com](http://www.huvepharma.com). For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or <http://www.fda.gov/reportanimalae>.

Store at less than or equal to 25° C (77° F)

Excursions to 30°C (86° F) are acceptable. Avoid excessive moisture.

Expiration Date and Lot Number are printed on the bag.

Not to be used after the expiry date.

**Restricted Drug (California) - Use Only as Directed -**

**Approved by FDA under ANADA # 200-679**

**TAKE TIME**

**OBSERVE LABEL DIRECTIONS**

**Optigr<sup>®</sup>id 45**

**Manufactured by:** Huvepharma, Inc.

525 Westpark Dr., Ste 230

Peachtree City, GA 30269, U.S.A.

To report adverse effects, access medical information, or obtain additional product information, call 1-877-994-4883.

HUVEPHARMA and Optigr<sup>®</sup>id 45 are trademarks of HUVEPHARMA EOOD.

**Principal Display Panel – 25 lb Bag Label**

**Huvepharma<sup>®</sup>**

**Optigr<sup>®</sup>id 45**

**(ractopamine hydrochloride Type A medicated article)**

**For use in Feeds For Cattle Fed in Confinement for Slaughter Only**

Do Not Feed Undiluted

**Net Weight 25 lb**

**(11.34 kg)**



**Optigr<sup>®</sup>id 45**

***(ractopamine hydrochloride Type A medicated article)***

LB3079v4TrNmp45-11.34-USA0520

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Net Weight **25 lb**  
(11.34 kg)

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**Indication: Complete Feed:** For increased rate of weight gain, improved feed efficiency and increased carcass leanness in cattle fed in confinement for slaughter during the last 28 to 42 days on feed.

**Top Dress Feed:** For increased rate of weight gain and improved feed efficiency in cattle fed in confinement for slaughter during the last 28 to 42 days on feed.

**Note:** Carcass leanness effects are not an approved indication for use when feeding ractopamine by Top Dress Feeding methods.

## Complete Feed

Indications	Appropriate Concentration of Ractopamine in Type C Medicated Feed <sup>a</sup>	Ractopamine (mg/hd/d)
Increased Rate of Weight Gain, and Improved Feed Efficiency	8.2 to 24.6 g/ton (9 ppm to 27 ppm)	70 - 430
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12th Rib Fat Thickness, in.	NC	NC	NC
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**Inert Ingredients:** Ground corn cobs.

**Mixing Directions (Complete Feed):** Thoroughly mix Optigrd 45 Type A Medicated Article in a ton of appropriate feed ingredients or diluents according to the table below to obtain the proper concentration in the Type B Medicated Feed (maximum 4,920 g/ton). The following table gives examples of how some Type B Medicated Feed concentrations can be prepared:

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**CAUTION:** Not for animals intended for breeding.

### WARNING

#### Withdrawal period:

No withdrawal period is required when used according to labeling.

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**Use Only as Directed -**

Approved by FDA under ANADA # 200-679

## Optigrd<sup>®</sup> 45

**Manufactured for:** Huvepharma, Inc.  
525 Westpark Dr., Ste 230  
Peachtree City, GA 30269, U.S.A.

To report adverse effects, access medical information, or obtain additional product information, call 1-877-994-4883.

HUVEPHARMA and Optigrd 45 are trademarks of HUVEPHARMA EOOD.



## OPTIGRID 45

ractopamine hydrochloride powder

**Product Information**

<b>Product Type</b>	OTC TYPE A MEDICATED ARTICLE ANIMAL DRUG	<b>Item Code (Source)</b>	NDC:23243-7264
<b>Route of Administration</b>	ORAL		

**Active Ingredient/Active Moiety**

<b>Ingredient Name</b>	<b>Basis of Strength</b>	<b>Strength</b>
ractopamine hydrochloride (UNII: 309G9J93TP) (ractopamine - UNII:57370OZ3P1)	ractopamine hydrochloride	45.4 g in 0.45 kg

**Inactive Ingredients**

<b>Ingredient Name</b>	<b>Strength</b>
POVIDONE (UNII: FZ989GH94E)	
CASTOR OIL (UNII: D5340Y2I9G)	
CORN COB (UNII: XXP8V4H4NY)	

**Packaging**

#	<b>Item Code</b>	<b>Package Description</b>	<b>Marketing Start Date</b>	<b>Marketing End Date</b>
1	NDC:23243-7264-1	11.34 kg in 1 BAG		

**Marketing Information**

<b>Marketing Category</b>	<b>Application Number or Monograph Citation</b>	<b>Marketing Start Date</b>	<b>Marketing End Date</b>
ANADA	ANADA200679	01/21/2021	

**Labeler** - Huvepharma, Inc (619153559)

Revised: 8/2020

Huvepharma, Inc