



# Product Specifications



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## KemTRACE® brand Chromium-OR 0.4% Dry Mineral Supplement (0.4% Chromium from Chromium Propionate)

### ITEM CODE

018185

### DESCRIPTION

A chromium supplement for adult horses, broilers and all classes of swine and cattle to be used in the further manufacturing of feed. Listed by the Organic Materials Review Institute (OMRI) for use in organic production.

### INGREDIENTS

Calcium Carbonate, Chromium Propionate and Organic Molasses.

### QUALITY SPECIFICATIONS

Guaranteed Analysis	
Total Chromium	(Cr) min - 0.4%; 4,000 ppm
Calcium	(Ca) min - 35%; 350,000 ppm
Calcium	(Ca) max - 40%; 400,000 ppm
Parameter	
pH of a 10% solution	6.5 – 7.5
Residue	Less than 5% (20 mesh screen)
Color	Green
Odor	Slightly acrid

### TYPICAL CHARACTERISTICS

Parameter	
Flowability	Good
Bulk Density	60 – 90 lb/ft <sup>3</sup>

### INSTRUCTIONS FOR USE

KemTRACE Chromium-OR 0.4% Dry is designed to be premixed prior to its inclusion into complete diets.

Ingredient	Percentage (%) of premix
KemTRACE Chromium-OR 0.4% Dry	10
Calcium Carbonate	90

The resulting premix will contain 0.04% chromium.



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## DIRECTIONS FOR USE OF PREMIX:

**HORSES:** The 0.04% premix delivers 0.8 parts per million (800 parts per billion) chromium (from chromium propionate) when added and thoroughly mixed at a rate of 4 pounds per ton of horse feed. **FEEDING RATE:** Adult horses should be fed at the rate not to exceed 4 mg of chromium per head per day.

**BROILERS:** The 0.04% premix delivers 0.2 parts per million (200 parts per billion) chromium (from chromium propionate) when added and thoroughly mixed at a rate of 1 pound per ton of complete broiler feed.

**SWINE:** The 0.04% premix delivers 0.2 parts per million (200 parts per billion) chromium (from chromium propionate) when added and thoroughly mixed at a rate of 1 pound per ton of complete swine feed.

**CATTLE:** The 0.04% premix delivers 0.5 parts per million (500 parts per billion) chromium (from chromium propionate) when added and thoroughly mixed at a rate of 2.5 pounds per ton of complete cattle diets. The 0.04% premix should be added to dry ingredients prior to adding to high moisture ingredients or forages.

## HANDLING AND STORAGE

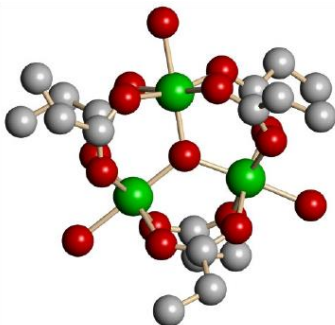
**STORAGE:** Store at room temperature. Rotate inventory. Do not cross-contaminate unsupplemented feeds.

**WARNING:** Do not breathe premix dust. Restrict use to responsible individuals. Dust from this product has been classified as a nuisance.

## CAUTION

Follow label directions. Chromium from all sources of supplemental chromium cannot exceed 4 mg per horse per day, cannot exceed 0.2 parts per million of the complete broiler or swine feed and cannot exceed 0.5 parts per million of the complete cattle diet.

## MOLECULAR STRUCTURE OF KEMIN CHROMIUM PROPIONATE



**Figure 1.** Drawing of Kemin chromium propionate cation. Green indicates chromium atoms; grey indicates carbon atoms; red indicates oxygen atoms. Hydrogen atoms are not shown for clarity.



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## CHEMICAL NAME & EMPIRICAL FORMULA OF KEMIN CHROMIUM PROPIONATE

triaqua-( $\mu_3$ -oxo)hexakis( $\mu_2$ -propionato-*O,O'*) trichromium propionate

$[\text{Cr}_3(\text{O})(\text{CH}_3\text{CH}_2\text{CO}_2)_6(\text{H}_2\text{O})_3]\text{CH}_3\text{CH}_2\text{CO}_2$

## REFERENCE

21 CFR 573.304

AAFCO Ingredient Definition 57.166

## PACKAGING

25 kg bag

