



# Product Specifications



1900 Scott Avenue • Des Moines, Iowa, USA 50317 • tel: 515.559.5100 • www.kemin.com/ag

## KemTRACE<sup>®</sup> brand Chromium 0.4% Dry Mineral Supplement (0.4% Chromium from Chromium Propionate)

### ITEM CODE

014533

### DESCRIPTION

A chromium supplement for adult horses, broilers and all classes of swine and cattle to be used in the further manufacturing of feed.

### INGREDIENTS

Calcium Carbonate, Chromium Propionate and Mineral Oil.

### 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 0.4% dry is designed to be premixed prior to its inclusion into complete diets.

Ingredient	Percentage (%) of premix
KemTRACE Chromium 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

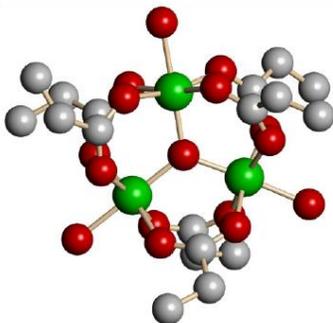
**STORAGE:** Store at room temperature. Rotate inventory. Do not cross-contaminate supplemented feeds.

**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