

Ferromel 30

Iron (II) sulphate monohydrate fine free flowing Powder



Iron sulphate is the main iron source in **animal feed**. It is used in **agrochemicals** as a fertilizer or as **cement additive** to prevent dermatitis or cement eczema by reducing chromium (VI).

▪ Chemical analysis

Fe ²⁺	29-30%	Free moisture	< 1 %	Cr	< 30 ppm
Pb	< 10 ppm	Cu	< 20 ppm	Ni	< 100 ppm
Mg	< 2 %	As	< 10 ppm	F	< 150 ppm
Ti	< 1 %	Cd	< 1 ppm	Zn	< 100 ppm
Mn	< 0.5%	Hg	< 0.5 ppm	Non dioxin-like PCBs	< 10 $\mu\text{g}/\text{kg}$
Dioxins	< 1 pg/g i-TEQ	Dioxins and dioxin-like PCBs	< 1.5 pg/g i-TEQ		

▪ Properties

Appearence	Greyish fine free-flowing powder
Purity	> 92%
Bulk density	700 - 1300 kg/m ³
Particule size distribution	100% < 1 mm :

▪ Applications

Animal feed	Additive : Compounds of trace elements (code 3b103) - Regulation (EC) N°1831/2003. Iron sulphate is the main iron source in animal feed. As a component of hemoglobin, iron has a main function in oxygen transport. The additive shall be incorporated into feed in the form of a premixture and shall not be used in water for drinking.
	<ul style="list-style-type: none"> • Ovine: 500 (total) mg Fe/kg of the complete feed • Bovines and poultry: 450 (total) mg Fe/kg of the complete feed • Pet animals: 600 (total) mg Fe/kg of the complete feed • Pigs : <ul style="list-style-type: none"> - piglets up to one week before weaning: 250 mg Fe/day - other pigs: 750 (total) mg Fe/kg of the complete feed • Other species: 750 (total) mg Fe/kg of the complete feed
Agrochemicals	PFC1-C.II.a, Straight inorganic micronutrient fertiliser - iron sulphate CMC-1, Virgin material substances and mixtures
Cement	Cement additive to avoid dermatitis or cement eczema by reducing chromium(VI).

▪ Other informations

Packaging	In approx. 1000 kg big bags
Storage / Transport	Stable for 18 months minimum when stored dry at temperatures below 30 °C. Transport in clean trucks. For feed products: Conform GMP+ B4 Transport

