



# ***Celtic Chemicals Ltd***

## **INORGANIC METALLIC SALTS**



**Ferrous Lactate Dihydrate FCC Fine Granular**  
**Jost Code 2396**

Ferrous Lactate can be used as a dietary supplement and as a nutrient. Iron has a vital function in combining with protein and copper to make hemoglobin. Iron also prevents fatigue and promotes good skin tone. Product specifications, MSDS's and certifications are available under Additional Information.

### Chemical Data

<b>Chemical Formula</b>	Fe[CH <sub>3</sub> CH(OH)COO] <sub>2</sub> · 2H <sub>2</sub> O
<b>CAS Number</b>	5905-52-2
<b>Molecular Weight</b>	269.99
<b>Use</b>	Nutrient; Dietary Supplement
<b>Description</b>	Fine, Greenish-white granular with characteristic odor
<b>Containers</b>	50 kg / 110 lb. fiber drums; 25 kilogram packs EU only
<b>Storage</b>	Store in a clean, dry warehouse in the original unopened containers.
<b>Regulatory</b>	This substance has not been found on the TSCA inventory. This substance is manufactured for use only as a dietary supplement.
<b>Revision Date</b>	12/22/05

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**<http://www.celticchemicals.co.uk>**



ISO9001:2000  
Certificate no FM23081

## Chemical Specifications

<u>Tests</u>	<u>Specifications</u>
<b>Identification</b>	
Lactate	Passes Test
Iron	Passes Test
Water	12.0 – 14.0%
Assay (Anhydrous Basis)	97.0 – 100.5%
Chloride	0.05% maximum
Sulfate	0.1% maximum
Lead	1 ppm maximum
Ferric Iron	0.2% maximum
Oxalic Acid	to pass test
Specific Rotation [ $\alpha$ ] <sub>D</sub> <sup>20°</sup> (Anhydrous Basis)	+6.0° to +11.0°
pH (2%)	5.0 – 6.0
<b>Iron Content</b>	
Anhydrous Basis	23.2 – 24.0%
Dihydrate Basis	20.1 – 20.8%

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