

# KIRNS CHEMICAL LTD.

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## PRODUCT SPECIFICATION

Product (Specs) # <b>00401</b>	Version number: <b>V.02</b>	Issued Date: December 28, 2012
Effective Date: December 31, 2012	Prepared by: QS Dept	Authorized by: General Manager

### Ferrous Sulfate Heptahydrate

#### TYPICAL CHEMICAL ANALYSIS

ITEMS	UNIT	GUARANTEE	TYPICAL/ACTUAL	METHODS
Purity as FeSO <sub>4</sub> .7H <sub>2</sub> O:	% , min.	<b>98.0</b>	99.7	Titration
or as Iron (Fe):	% , min.	<b>19.7</b>	20.0	Titration
*Sulfur (S):	% , min.	<b>11.3</b>	11.5	* Calculation
Lead (Pb):	mg/kg (ppm), max.	<b>20</b>	< 10	AAS
Arsenic (As):	mg/kg (ppm), max.	<b>5</b>	< 2	AFS/Ag(DDTC)-SP

#### REMARKS:

- 1) \*Sulfur (S) result is to be calculated on the basis of the purity of Ferrous Sulfate Heptahydrate.
- 2) FeSO<sub>4</sub>.7H<sub>2</sub>O or Fe, S, Pb and As are analyzed for each batch/lot and shown on each CoA.
- 3) The standards/methods cited are for reference only. In practice, we may choose the standards/methods that are deemed to be more appropriate.

#### OTHER TYPICAL PROPERTIES

Appearance.....Green to glaucous crystal or powder pH Value.....3.0-5.0

#### PACKAGING

Standard.....Net 25kg plastic woven bags with inner liner Options.....Net 50lb, 2000lb, 1000kg, 1050kg, 1250kg bags.

#### POSSIBLE APPLICATIONS

Fertilizer, water treatment, iron salts, iron pigments, cement, etc.

#### OTHER INFORMATION

Molecular Formula.....FeSO<sub>4</sub> · 7H<sub>2</sub>O CAS # .....7782-63-0 (heptahydrate)

Molecular Weight.....278.01 EINECS #.....231-753-5

#### DISCLAIMER:

The information or suggestions given here are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. It is users'/buyers' responsibility to determine the suitability for their own particular purpose and be solely responsible for any loss arising from the use of such information or suggestions. KIRNS CHEMICAL LTD. shall be in no way responsible for the proper use of the product.

