Certificate Of Analysis

Item Number	F1305	Lot Number	1NE0047
Item	Ferric Subsulfate Solution, USP	CAS Number	1310-45-8
Molecular Formula	$Fe_4(OH)_2(SO_4)_5$	Molecular Weight	737.71

TEST	SPECIFICATION		RESULT
	MIN	MAX	
ASSAY (Fe)	20	22 g/100 ml	20 g/100 ml
NITRATE (NO_3)	TO PASS TEST		PASSES TEST
FERROUS SALTS	TO PASS TEST		PASSES TEST
ELEMENTAL IMPURITIES	AS REPORTED		COMPLIES WITH STANDARD
IDENTIFICATION	TO PASS TEST		PASSES TEST
CERTIFIED HALAL			CERTIFIED HALAL
EXPIRATION DATE			16-AUG-2025
DATE OF MANUFACTURE			17-AUG-2023
APPEARANCE			RED-BROWN LIQUID
RESIDUAL SOLVENTS	TO PASS TEST		NO RESIDUAL SOLVENTS PRESENT

Certificate of Analysis Results Entered By:

ATYLER
Anneliese Tyler
17-MAY-24 13:57:16

Certificate of Analysis Results Approved By:

SHANSEN
Selin Hansen
17-MAY-24 13:57:52

Spectrum Chemical Mfg Corp
14422 South San Pedro Street
Gardena 90248 CA

All pharmaceutical ingredients are tested using current edition of applicable pharmacopeia.

Read and understand label and SDS before handling any chemicals. All Spectrum's chemicals are for manufacturing, processing, repacking or research purposes by experienced personnel only. It is the customer's responsibility to provide adequate hazardous material training and ensure that appropriate Personal Protective Equipment (PPE) is used before handling any chemical.

The Elemental Impurities standards implemented by USP and other Pharmaceutical Compendia reflect a growing understanding of the toxicology of trace levels of elemental impurities that can remain in drug substances originating from either raw materials or manufacturing processes. Identifying and quantifying impurities can be critical to predicting the best possible patient outcomes. Elemental Impurities has been a requirement of all products meeting USP/NF, EP and BP monographs since January 1, 2018. More information can be found in USP sections <232> Elemental Impurities – Limits and <233> Elemental Impurities – Procedures. Data for drug substances furnished by Spectrum Chemical Mfg. Corp can be used to ensure that patient daily exposures by oral administration to the selected elements are not exceeded in the formulation of pharmaceutical products.