

Certificate of Analysis

Product Name: IRON(II) SULFATE HEPTAHYDRATE
Ph Eur
Product Number: 44982
Product Brand: Fluka
Molecular Formula: $\text{FeO}_4\text{S} \cdot 7\text{H}_2\text{O}$
Molecular Mass: 278.01
CAS Number: 7782-63-0

TEST	SPECIFICATION	LOT BCBD7888V RESULTS
APPEARANCE (COLOR)	FAINTLY GREEN TO LIGHT GREEN, BLUE-GREEN, TURQUOISE	SLIGHTLY BLUE-GREEN
APPEARANCE (FORM)	FINE CRYSTALS TO CRYSTALS WITH LUMPS	CRYSTALS WITH LUMPS
PHARMACOPOEA TESTS	CORRESPONDS TO REQUIREMENTS	CORRESPONDS TO PH.EUR.7.1
IDENTIFICATION A	REACTION OF SULPHATES	CORRESPONDS
IDENTIFICATION B	REACTION OF IRON	CORRESPONDS
IDENTIFICATION C	ASSAY	CORRESPONDS
PH	3.0 - 4.0	3.5
CHROMIUM	MAX. 50 PPM	<=50 PPM
COPPER	MAX. 50 PPM	<=50 PPM
FERRIC IONS	MAX. 0.3 %	<=0.3 %
MANGANESE	MAX. 0.1 %	<=0.1 %
NICKEL	MAX. 50 PPM	<=50 PPM
ZINC	MAX. 50 PPM	<=50 PPM
CHLORIDES	MAX. 200 PPM	<=200 PPM
ASSAY	98.0 - 105.0 %	103.5 %

QC RELEASE DATE 08/MAR/11
RECOMMENDED RETEST DATE OCT/11



Edeltraud Schwärzler, Manager
Quality Control
Buchs, Switzerland

Sigma-Aldrich guarantees the 'Sales-Specification' values only, additional lot specific tests may be included for further information. The current 'Sales-Specifications' sheet is available on request. For further inquiries, please contact our Technical Service. Sigma-Aldrich warrants, that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice for additional terms and conditions of sale. The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.