



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-228438  
Lot Number: SAMPLE  
Product Name: Magnesium phosphate tribasic octahydrate  
CAS Number: 13446-23-6  
Molecular Formula:  $\text{Mg}_3(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O}$   
Molecular Weight: 406.98

Test	Specification	Result
Appearance	Colorless or white powder	White powder
Purity (Titration)	97.0 - 103.0% (KT, EDTA 0.1 M)	99.3%
Trace metal analysis	Corresponds to requirements	Complies
Cadmium	$\leq 50 \text{ mg/kg}$ (ICP)	$< 50 \text{ mg/kg}$
Calcium (ICP)	$\leq 1000 \text{ mg/kg}$	$< 1000 \text{ mg/kg}$
Chloride	$\leq 100 \text{ mg/kg}$ (ICP)	$< 100 \text{ mg/kg}$
Cobalt	$\leq 50 \text{ mg/kg}$ (ICP)	$< 50 \text{ mg/kg}$
Copper	$\leq 50 \text{ mg/kg}$ (ICP)	$< 50 \text{ mg/kg}$
Iron (ICP)	$\leq 50 \text{ mg/kg}$	$< 50 \text{ mg/kg}$
Lead (ICP)	$\leq 50 \text{ mg/kg}$ (ICP)	$< 50 \text{ mg/kg}$
Nickel	$\leq 50 \text{ mg/kg}$ (ICP)	$< 50 \text{ mg/kg}$
Potassium (ICP)	$\leq 100 \text{ mg/kg}$	$< 100 \text{ mg/kg}$
Sodium (ICP)	$\leq 2000 \text{ mg/kg}$	$< 2000 \text{ mg/kg}$
Sulfate	$\leq 500 \text{ mg/kg}$	$< 500 \text{ mg/kg}$
Zinc	$\leq 50 \text{ mg/kg}$ (ICP)	$< 50 \text{ mg/kg}$

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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