



**EMD Chemicals Inc.**  
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**Name:** Potassium Phosphate, Monobasic [Potassium dihydrogen phosphate]  
GR ACS, Crystals  
Meets ACS Specifications

**Formula:**  $\text{KH}_2\text{PO}_4$

**Item Number:** PX1565/7

**Formula Wt:** 136.09

**Lot Number:** 43227337

**Data Order No:** 000079971

CHARACTERISTIC	REQUIREMENT		RESULTS	UNITS
	Min.	Max.		
Assay	99.0		99.23	%
Insoluble matter		0.01	0.002	%
pH of a 5% solution at 25 °C	4.1	4.5	4.40	
Chloride (Cl)		0.001	0.0003	%
Sulfate (SO <sub>4</sub> )		0.003	0.0015	%
Nitrogen compounds (as N)		0.001	0.0002	%
Heavy metals (as Pb)		0.001	0.0001	%
Iron (Fe)		0.002	0.0001	%
Sodium (Na)		0.005	0.002	%
Loss on drying (105 °C)		0.2	0.03	%

Charles M. Wilson,  
Quality Assurance Manager

Release Date: 8/18/2003

EMD Chemicals Inc.  
(Formerly EM Science, A Division of EM Industries, Inc.)  
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