

# *Chem-Impex International, Inc.*

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## *Product Specifications*



<b>Catalogue Number</b>	30233
<b>Product</b>	<b>Sodium phosphate, monobasic, monohydrate</b> Sodium dihydrogen phosphate monohydrate
<b>CAS Number</b>	10049-21-5
<b>Molecular Formula</b>	$\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$
<b>Molecular Weight</b>	137.99

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<b>Appearance</b>	White crystals
<b>Solubility</b>	Freely soluble in water.
<b>Heavy Metals</b>	$\leq 0.001\%$ (as Pb)
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): $\leq 5$ ppm Sulfate (SO <sub>4</sub> <sup>2-</sup> ): $\leq 0.003\%$
<b>Cation</b>	Calcium (Ca): $\leq 0.005\%$ Potassium (K): $\leq 0.01\%$ Iron (Fe): $\leq 0.001\%$
<b>pH</b>	4.1-4.5 (5% solution at 25 °C)
<b>Insoluble material</b>	$\leq 0.01\%$
<b>Assay by titration</b>	98.0-102.0%
<b>Grade</b>	ACS reagent
<b>Application</b>	Buffering agent.
<b>Storage</b>	Store at RT

**For Laboratory Use Only**