

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	01214
<b>Lot Number</b>	000514-20254003
<b>Product</b>	<b>Ammonium phosphate dibasic</b>  Diammonium hydrogen phosphate  Phosphoric acid diammonium salt
<b>CAS Number</b>	7783-28-0
<b>Molecular Formula</b>	(NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>
<b>Molecular Weight</b>	132.1

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	1 g in 1.7 mL at about 25 °C in water
<b>Melting Point</b>	155 °C (dec) (Approx.)
<b>Heavy Metals</b>	< 0.001%
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): < 0.001% Nitrate (NO <sub>3</sub> <sup>-</sup> ): < 0.001% Sulfate (SO <sub>4</sub> ): < 0.01%
<b>Cation</b>	Iron (Fe): < 0.001% Calcium (Ca): 0.0003% Magnesium (Mg): 0.10 ppm Potassium (K): 0.0006% Sodium (Na): 0.001%
<b>pH</b>	8.1 (5% of solution at 25.0 °C)
<b>Yeast and Mold</b>	< 100 cfu/g
<b>Coliform Organisms</b>	Negative (Total)
<b>Insoluble material</b>	0.005%
<b>Assay by titration</b>	99.2%
<b>Grade</b>	ACS reagent
<b>Application</b>	Used in buffer solutions.
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Aerobic Plate Count: < 1000 cfu/g

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**