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## Typical Product Specifications & Properties

# Ammonium Phosphate dibasic

CAS Number: : 7783-28-0

| Specifications                                         | Limits               |
|--------------------------------------------------------|----------------------|
| Density                                                | 1.619                |
| Practically Insoluble                                  | in alcohol, acetone  |
| Total Phytosterols                                     | 53.4% min.           |
| Arsenic PPM                                            | 2% mg/kg max         |
| Copper                                                 | 1% mg/kg max         |
| Bulk Density                                           | (g/l) 900kg/mg       |
| Total (NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub> | 98% min              |
| Lead                                                   | 2% mg/kg max         |
| Zinc                                                   | 1% mg/kg max         |
| Cadmium                                                | 1 mg/kg max          |
| Flouride                                               | 10 mg/kg max         |
| Heavy Metals; USP <231>                                | 80 aspb 10 mg/kg max |



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| Specifications                 | Limits                                             |
|--------------------------------|----------------------------------------------------|
| Mercury                        | 1 mg/kg max                                        |
| Water Insolubles, wt%          | 0.02 % maximum                                     |
| P2O5                           | (Theoretical Content ) 53.74%                      |
| pH (1 in 20 aqueous solution)  | (1% solution) 7.7-8.3                              |
| Sensoric                       | White Crystals                                     |
| Molecular Weight (theoretical) | 132                                                |
| Total Nitrogen (N) Ammoniacal  | 21% min                                            |
| Chlorides                      | 20 mg/kg max                                       |
| Nitrogen                       | (Theoretical content ) 21.21%                      |
| pH                             | 8 (1)                                              |
| Odor                           | wh. cryst. or powd., odorless, cooling salty taste |
| Melting Point                  | 155 c (dec.)                                       |



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| Specifications   | Limits          |
|------------------|-----------------|
| Molecular weight | 132.07          |
| Solubility       | 1.7 ml in water |



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