

## Diammonium Phosphate

**Molecular formula:**  $(\text{NH}_4)_2\text{HPO}_4$

### Synonyms

Phosphoric acid diammonium salt; DAP; Di-Ammonium Phosphate.

**CAS #:** 7783-28-0

### Appearance

Colorless transparent monoclinic crystal or white powder. In order to increase the storage resistance, some products are made with coating agents, so that the appearance of the product is brown.

### Application

Widely used in plate printing, medicine, fire prevention, electronic tube, etc. It is a kind of highly effective fertilizer widely used in vegetables, fruits, rice and wheat, and used as feed additive, flame retardant and fire extinguishing agent in industry.

### Transportation

Under IMDG regulation

Declaration (transport by sea) IMDG-Code No Dangerous Good.

### Handling and Storage

- Keep in a tightly closed container, stored in a cool, dry, ventilated area;
- Protect against physical damage. Isolate from incompatible substances.

### Technical data:

SPECIFICATIONS	DAP	
	STANDARD	RESULT
TOTALNUTRIENT(N+P <sub>2</sub> O <sub>5</sub> ):	64%MIN	64.2%
NITROGEN(N):	8%MIN	18.1%
PHOSPHATE(P <sub>2</sub> O <sub>5</sub> ):	46%MIN	46.1%
MOISTURE:	2.5%MAX	1.5%
SIZE1-4MM	90%MIN	92%
COLOR:	DARKBROWN	DARKBROWN