



益凯化工（天津）有限公司

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Technical Data Sheet

Diammonium Phosphate - DAP (7783-28-0)

Formula: $(\text{NH}_4)_2\text{HPO}_4$
M.W.: 132.06
Appearance: Colorless or white crystals or crystalline powder;
Easily soluble in water. 1% solution pH: 8.0

Specifications:

	Tech Grade	Food Grade
$(\text{NH}_4)_2\text{HPO}_4$:	99% min	99% min
Available P_2O_5 :	53% min	53% min
Total Nitrogen(N):	20.8% min	20.8% min
Moisture:	0.15% max	0.15% max
1% Solution pH Value:	7.8 – 8.2	7.8 – 8.2
Water Insoluble:	0.10% max	0.10% max
Heavy Metals (Pb):	-----	0.001% max
As:	-----	0.0003% max
F :	-----	0.005% max

Package: in 25 or 50 kg net PP woven bags with inner lining.

Uses: As a fire-prevention agent for fabric, timber and paper. Food grade mainly used as a fermentation agent, nourishment and so on; Also used as a high effective non-chloride N,P compound fertilizer in agriculture. It contains totally 74% fertilizer elements, used as a basic raw material for N.P.K compound fertilizers.

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