



**PRODUCT INFO
& DATASHEET**

SICO-SOLUDAP 21.53.0

Water soluble Diammonium Phosphates

- 1) Technical fertiliser grade
 - 2) Superior Technical grade (food & feed)
- Made in China -

3/2017

1. PRODUCT DESCRIPTION

Brandname:	SICO-SOLUDAP
Product name:	Diammonium phosphate (DAP)
Chemical name:	Phosphoric acid, diammonium salt
Chemical formula:	$(\text{NH}_4)_2\text{HPO}_4$
Molecular weight:	132
CAS number:	7783-28-0

2. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	colorless or white crystals
Bulk density at 25dgr. C.:	+/- 1.62 Kg/l
Melting point:	155dgr. C.
pH of 1% solution at 25dgr. C.:	7.5 – 8.2
Solubility in water:	250 g/l at 25dgr. C.

3. SPECIFICATIONS

	<u>1) Technical fertiliser grade</u>	<u>Test Results</u>	<u>2) Superior Technical grade</u>
Main content:	99% min.	99.43%	99% min.
P ₂ O ₅ :	53% min.	53.65%	53 min.
Nitrogen (N = NH ₄):	20.8% min.	21.01%	20.8% min.
Moisture:	0.2% max.	0.12%	0.2% max.
Water insolubles:	0.1% max.	0.0026%	0.1% max.
As:			0.0003% max.
Heavy metals (as Pb):			0.001% max.
F:			0.002% max.

(all figures are on w/w basis)

4. APPLICATIONS

1) Technical fertiliser grade

- * Used as a high quality fertiliser in agricultural crops. It is applied after being dissolved in water through the irrigation system or as a foliar spray.
- * Used as a basic raw material for NPK fertilisers

2) Superior Technical grade (food & feed grade)

- * Used as ferment agent, nourishment, etc.
- * Used in ruminant feeds as a source of phosphorus and nitrogen.

5. PACKING

Packed in 25 kg net Sico wpp+pe bags, 25 MT/20ft fcl (loose bags without pallets).

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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 EVERY TIME THE *right* SOLUTION