



MENAFERT

Technical Data Sheet

Straights
Monoammonium Phosphate
Horticultural Grade

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Monoammonium Phosphate Horticultural Grade

Description

Brand Name	MENAFERT MAP HG
Chemical name	Ammonium dihydrogen phosphate
Chemical Formula	$\text{NH}_4\text{H}_2\text{PO}_4$
Appearance	White crystals

Chemical Composition

Total Nitrogen (N)	12% +/- 1%
Ammoniacal Nitrogen (N-NH ₄)	12%
Phosphorus Pentoxide (P ₂ O ₅)	61% +/- 1%

Physical Properties

Density	0.8 kg/L
pH	4.3 - 4.5 (0.1M solution)
Moisture	< 0.12%
Solubility in water	353 g/L at 20°C
Insolubles	< 0.04%