



MENAFERT

Technical Data Sheet

Advanced MENACAL BOR

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Advanced MENACAL BOR

Description

Brand Name	MENACAL BOR
Chemical name	Mixture of Calcium Ammonium Nitrate and Boric Acid
Chemical Formula	$\text{CaNH}_4(\text{NO}_3)_3$ H_3BO_3
Color	White/yellowish flakes

Chemical Composition

Total Nitrogen (N)	15.1% w/w +/- 0.3%
Nitric N (N-NO ₃)	14.3% w/w +/- 0.3%
Ammonium N (N-NH ₄)	0.8% w/w +/- 0.1%
Calcium Oxide (CaO)	27.0% w/w +/- 0.3%
Boron (B)	0.2% w/w +/- 0.02%

Physical Properties

Density	0.95 +/- 0.05 g/cm ³
Solubility in water	2 Kg/L (at 20° C)
EC	1.2 mS/cm (in 0.1% solution)
pH	5 - 7 (in 10% water solution) 6.0 - 6.5 (in 1% solution)
Water Insoluble	< 0.01%