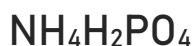


# Monoammonium phosphate (MAP) - TG



## DESCRIPTION

General Description		Origin
Monoammonium phosphate Tech Grade		China
Grade	E number	Formula
Tech grade		$\text{NH}_4\text{H}_2\text{PO}_4$
Molecular weight	EINECS	CAS number
115.03	231-764-5	7722-76-1

## PRODUCT CHARACTERISTICS

Physicochemical properties	Unit	Standard	Test Result
Main content [(NH <sub>4</sub> )H <sub>2</sub> PO <sub>4</sub> ]	w/%	≥ 99	99.82
Phosphorus pentoxide (P <sub>2</sub> O <sub>5</sub> )	w/%	≥ 61	61.33
Total Nitrogen (N)	w/%	≥ 11.9	12.03
Moisture	w/%	≤ 0.1	0.08
Water insoluble matter	w/%	≤ 0.1	0.006
Fluoride (in terms of F)	mg/kg	≤ 50	11
Arsenic (in terms of As)	mg/kg	≤ 3	< 1
Heavy metals (in terms of Pb)	mg/kg	≤ 10	< 6
Lead (Pb)	mg/kg	≤ 4	2
PH (10g/L aqueous solution)	mg/kg	4.2-4.8	4.38
Chloride (in terms of Cl)	mg/kg	≤ 10	< 8
Sulfate (in terms of SO <sub>4</sub> )	mg/kg	≤ 100	56
Iron (Fe)	mg/kg	≤ 30	6
Particle size (20 mesh - 60 mesh)	w/%	≥ 65	72.3
Particle size (+20 mesh)	w/%	-	0.8
Particle size (-60 mesh)	w/%	-	26.9

Further specifications are available upon request

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