

MAP
11-52-0
Monoammonium Phosphate

CHEMICAL ANALYSIS

Component/Equivalent	Units	Minimum	Typical
Total Nitrogen	wt. % N	11.0	11.2
Ammonium Form	wt. % N	11.0	
Available Phosphate	wt. % P ₂ O ₅	52.0	52.5
Water Soluble	wt. % P ₂ O ₅	-	48.8
Citrate Soluble	wt. % P ₂ O ₅	-	3.7
Sulfate Sulfur	wt. % S	-	1.2
Moisture	wt. % H ₂ O	-	2.4
pH of Aqueous Solution	10% wt./wt.	-	4.8
Dust Coating (Complex mixture of hydrocarbons)	wt. %	-	0.2

PHYSICAL ANALYSIS

Parameter	Units	Range	Typical
Color	-	-	Green
Angle of repose	degrees	-	30
Bulk density (Loose)	lb/ft ³ - kg/m ³	-	60-958
(Tapped)	lb/ft ³ - kg/m ³	-	63-1010
Size Guide Number (SGN)	-	-	260

PARTICLE SIZE DISTRIBUTION

	Tyler Mesh	US Mesh	mm Mesh	Typical wt. %
Retained on . . .	6	6	3.35	8.5
	8	8	2.36	69.7
	10	12	1.70	95.3
	14	16	1.18	99.4
	16	18	1.00	99.9
	20	20	0.85	100.0

Please obtain a Safety Data Sheet for more information.

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Product is manufactured by the following subsidiaries of Nutrien Ltd.:

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