

## Smart Nutrition™ MAP + MST® 9-43-0-16S

**CHEMICAL ANALYSIS**

Component	Units	Minimum	Maximum	Typical
Total Nitrogen	wt. %N	9.0		9 - 10
Total Phosphate	wt. %P <sub>2</sub> O <sub>5</sub>	43.0		43 - 45
Available Phosphate	wt. %P <sub>2</sub> O <sub>5</sub>	43.0		43 - 45
Total Sulfur	wt. %S	16.0		16 - 19
Elemental Sulfur	wt. %S	15.0	19.0	15 - 17
Sulfate	wt. %SO <sub>4</sub>			1 - 3
Moisture	wt. %H <sub>2</sub> O			1.6
Salt Index (calculated)				22.4

**PHYSICAL ANALYSIS**

Component	Units	Range	Typical
Bulk Density (Loose)	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )		61 (977)
Bulk Density (Tapped)	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )		63 (1009)
SGN		280 - 320	300
Angle of Repose	degrees		36
UI			53

**PARTICLE SIZE DISTRIBUTION**

	Tyler Mesh	US Mesh	mm Mesh	Typical wt. %
<i>Retained on . . .</i>	+5	+5	4.00	6.0
	+6	+6	3.35	30.0
	+7	+7	2.80	68.0
	+8	+8	2.36	89.0
	+9	+10	2.00	96.0
	+10	+12	1.70	98.0
	+14	+16	1.18	99.9
<i>Passing through . . .</i>	-14	-16	1.18	0.1

**Refer to a Safety Data Sheet for more information**

Typical results are based on a range of data collected over time. Grab samples or individual car samples may fall outside of the typical range.

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