Nutrien™
Feeding the Future™

Fertilizer Product Data Sheet
Effective Date: **December 15, 2022**
Product Code: **MAPMST / 6898**
Location: **White Springs**
SDS: **246**

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_2O_5	43.0		43 - 45
Available Phosphate	wt. %P_2O_5	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_4			1 - 3
Moisture	wt. %H_2O			1.6
Salt Index (calculated)				22.4

PHYSICAL ANALYSIS

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

PARTICLE SIZE DISTRIBUTION

	Tyler Mesh	US Mesh	mm Mesh	Typical wt. %
Retained on . . .	+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
Passing through . . .	-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.

To the best of Nutrien's knowledge, the information contained herein is accurate and reliable as of the date compiled; however, Nutrien makes no representation, warranty or guarantee as to the information's accuracy, reliability, completeness or timeliness. It is the user's responsibility to determine the suitability and completeness of such information for the user's own uses or purposes. Nutrien does not accept any liability for any loss or damage that may occur from any use of this information.

Smart Nutrition™ Trademark of Nutrien Ltd.; MST® Registered Trademark of Sulvaris Inc., used under license by Nutrien.

The manufacturing representatives for this product are the following subsidiaries of Nutrien Ltd.:

Agrium Canada Partnership · **13131 Lake Fraser Drive SE** · **Calgary, Alberta** · **T2J 7E8** · **Canada** · **1-800-403-2861**
Nutrien US LLC · **5296 Harvest Lake Drive** · **Loveland, CO** · **80538** · **USA** · **1-800-403-2861**