

**Urea**  
**46-0-0**  
**Granular Fertilizer Grade**

**CHEMICAL ANALYSIS**

Component/Equivalent	Units	Minimum	Typical
Total Nitrogen	wt. % N	46.0	46.3
Biuret	wt. %	-	1.0*
Conditioner (Methylene Di-Urea)	wt. %	-	1.7
Moisture	wt. % H <sub>2</sub> O	-	0.20
pH of Aqueous Solution	10% wt./wt.	-	8.0*
Free Ammonia	ppm NH <sub>3</sub>	-	30

**PHYSICAL ANALYSIS**

Parameter	Units	Range	Typical
Color	-	-	White
Angle of repose	degrees	-	27*
Bulk Density (Loose)	kg/m <sup>3</sup> - lb/ft <sup>3</sup>	-	802/50*
Bulk Density (Tapped)	kg/m <sup>3</sup> - lb/ft <sup>3</sup>	-	849/53*
Size Guide Number (SGN)	-	280 - 300	290
Uniformity Index	-	-	62

**PARTICLE SIZE DISTRIBUTION**

	Tyler Mesh	US Mesh	mm Mesh	Typical wt. %
Retained on . . .	6	6	3.35	18.0
	7	7	2.80	55.0
	8	8	2.36	92.0
	9	10	2.00	99.0
	10	12	1.70	100.0
Passing through	10	12	1.70	0.0

*\*The typical value for this parameter of this product from this manufacturing site is preliminary and is based on a best estimate.*

**Please obtain a Safety Data Sheet for more information.**

To the best of Nutrien's knowledge and belief 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 particular use or purposes. Nutrien does not accept any liability for any loss or damage that may occur from any use of this information.

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

Agrium Canada Partnership, 13131 Lake Fraser Drive SE, Calgary, Alberta T2J 7E8; Phone: (403) 225-7000.

Agrium U.S. Inc., 5296 Harvest Lake Drive, Loveland, CO 80538; Phone: (970) 685-3600.