

**Urea Granular  
 Agricultural Grade  
 46-0-0**

**CHEMICAL ANALYSIS**

Component	Units	Minimum	Maximum	Typical
Total Nitrogen	wt. % N	46.0		46.4
Biuret	wt. %		1.3	1.0
Conditioner*	wt. %	1.2		1.5
Moisture	wt. % H <sub>2</sub> O		0.30	0.15
Free Ammonia	ppm NH <sub>3</sub>			70
pH, 10%	(w/w)			9.0

\*Conditioner is **Urea, reaction products with formaldehyde (CAS# 68611-64-3)**, calculated as *Methylenediurea (MDU)*

**PHYSICAL ANALYSIS**

Component	Units	Minimum	Maximum	Typical
Angle of Repose	degrees			34 - 38
Bulk Density (Loose)	lb/ft <sup>3</sup>			49
	kg/m <sup>3</sup>			785
Color				White
Size Guide Number (SGN)		280	320	300
Uniformity Index				60

**PARTICLE SIZE ANALYSIS**

	Tyler Mesh	US Mesh	mm Mesh	Typical wt. %
<i>Retained on . . .</i>	6	6	3.35	21.0
	7	7	2.80	73.0
	8	8	2.36	93.0
	9	10	2.00	98.0
	10	12	1.70	99.7
	12	14	1.40	100.0
<i>Passing through . . .</i>	12	14	1.40	0.0

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

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