

Urea Granular Industrial Grade

CHEMICAL ANALYSIS

Component	Units	Minimum	Maximum	Typical
Urea	wt. %			99
Total Nitrogen	wt. % N	46.0		46.4
Biuret	wt. %		1.10	1.0
Conditioner*	wt. %	1.2		1.5
Moisture	wt. % H ₂ O		0.20	0.15
Ash	ppm			< 90
Ammonium Salts				No trace
Free Ammonia	ppm NH ₃			70
Iron	ppm Fe			< 0.1
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 ³			49
	kg/m ³			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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