

# BIOSPECTRA

100 Majestic Way, Bangor, PA 18013 / [www.biospectra.us](http://www.biospectra.us)

## UREA SPECIFICATION SHEET BIO EXCIPIENT GRADE / UR3220

$\text{NH}_2\text{CONH}_2$  \* F.W. 60.06 g/mol. \* CAS# 57-13-6

Meets or Exceeds USP Specifications

ANALYSIS		SPECIFICATIONS
Alcohol Insoluble Matter		0.04% max.
Appearance and Color		White / Crystals
Assay		98.0-102.0%
Enzymes	DNase	None Detected
	Protease	None Detected
	RNase	None Detected
Heavy Metals		10 ppm max.
Identification A		Passes Test
Identification B		Passes Test
Identification (IR)		Passes Test
Impurities	Urea RCA	< 0.1%
	Total	< 2.0%
	Unspecified	< 0.1%
Insoluble Matter		0.010% max.
Loss on Drying		1.0% max.
Melting Range		132-135 °C
Residue on Ignition		0.010% max.
Trace Metals	Arsenic (As)	5 ppm max.
	Copper (Cu)	5 ppm max.
	Iron (Fe)	5 ppm max.
	Lead (Pb)	5 ppm max.