

SPECIFICATION OF
PRODUCT:

APPENDIX A
PHYSICAL AND CHEMICAL PROPERTIES
UREA N46% CARBAMIDE PRILLED

NITROGEN:	46% MIN PRILLED
GRADE:	AGRICULTURE
EMPIRICAL FORMULA:	H₂N-CO-NH₂
PRODUCT USE:	FERTILIZER
GRADE OF PURITY:	GOST2081-92(46%N)
NITROGEN:	46% MINIMUM
GRANULATION:	1-4 MM 90 % MINIMUM
pH OF 10% WATER SOLUTION:	9.0 ~ 10.0
MELTING POINT:	DECOMPOSES AT 133 DEGREES CELSIUS
BULK DENSITY:	700 - 780 KG/M³
SOLUBILITY IN WATER:	1080G/L AT 20 DEGREES CELSIUS
MOISTURE:	0.5% MAX
ANTI-CAKING AGENT:	0.5% MAX TREATED AGAINST AGENT.
FREE AMMONIA:	160 PXT PPM MAX
BIURET:	1 % MAXIMUM
BUNTER:	1 % MAXIMUM
HARMFUL SUBSTANCES:	100% FREE FROM HARMFUL SUBSTANCE
MELTING POINT:	132 DEGREES CELSIUS
COLOUR WHITE:	STANDARD WHITE OR PURE
ODOUR:	ODOURLESS
BOILING:	DECOMPOSES BEFORE BOILING
RADIATION:	NON RADIOACTIVE
PHYSICAL STATE:	SOLID @20°C CELSIUS, 101 KPA WHITE GRANULAS
SPECIFIC GRAVITY:	SOLID @20°C CELSIUS, -1.335 t/M³
FLOATABILITY IN WATER:	SINKS AND MIXED
MOLECULAR WEIGHT:	60.065
CONDITION:	FREE FLOWING, TREATED AGAINST CAKING.