

TYPICAL PHYSICAL PROPERTIES



32.5% Aqueous Urea Solution

DeNOx Grade

Description: Urea Solution, AUS 32, is a manufactured product of technically pure urea mixed with demin quality water designed to meet the specifications of DIN 70070:2005 and ISO 22241-1:2006 for NOx abatement technologies. TerraCair® is certified as a Diesel Exhaust Fluid by the American Petroleum Institute.

Typical Chemical and Physical Analysis	
Parameter	Typical
Urea Concentration	32.5 +/- 0.7%
Specific gravity at 20° C	1.087 – 1.093 kg/m3
Refractive index at 20° C	1.3814 – 1.3843
Free Ammonia (alkalinity)	0.2% max
Biuret	0.3% max
Formaldehyde	None
Insoluble matter	20 ppm max
Phosphates	0.5 ppm max
Calcium	0.5 ppm max
Iron	0.5 ppm max
Copper	0.2 ppm max
Zinc	0.2 ppm max
Chromium	0.2 ppm max
Nickel	0.2 ppm max
Aluminum	0.5 ppm max
Magnesium	0.5 ppm max
Sodium	0.5 ppm max
Potassium	0.5 ppm max
Water quality	Demin—ISO 3696 applicable



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This product will typically have similar physical characteristics as those listed above. Product characteristics may vary slightly, depending on the source. Although the information here is provided in good faith and believed to be reliable, CF Industries makes no guarantee, warranty or representation as to the suitability of the product for any purpose, and the user accepts full responsibility to determine the suitability of the product for its own use. CF Industries' liability for damages or losses shall be limited to replacement of the product or refund of the purchase price, at CF Industries' option. In no event shall CF Industries be liable for any special or consequential damages.