

Technical Data Sheet

Automotive D.E.F. (Diesel Exhaust Fluid)

Consolidated Biofuels Automotive DEF (Diesel Exhaust Fluid) is a 32% Aqueous Urea Solution (AUS 32).

It is manufactured with high purity urea mixed with quality deionized ultra pure water designed to meet the specifications of ISO 22241-1 for NOx emissions of diesel engines.

Consolidated Biofuels DEF is produced to exceed the quality characteristics defined in ISO 22241-1. Typical results are within the stringent quality specifications outlined in ISO 22241-1:2019 for DEF

Features and Benefits

- Meets ISO 22241-1
- Reduces harmful emissions
- Non-toxic, non hazardous and non flammable
- Increases fuel efficiency

Typical Results

Test	Units	Typical	Min	Max	Pass
Urea Content	% (m/m)	32.4	31.8	33.2	✓
Density at 25C	Kg / L	1.082	1.050	1.177	✓
Refractive Index at 25C	-	1.3824	1.3814	1.3843	✓
Alkalinity (as ammonia)	% (m/m)	<0.1	-	0.2	✓
Biuret	% (m/m)	0.3	-	0.3	✓
Aldehydes	mg/kg	<0.5	-	5	✓
Insoluble matter	mg/kg	7.2	-	20	✓
Phosphates	mg/kg	0.04	-	0.5	✓
Calcium	mg/kg	0.5	-	0.5	✓
Iron	mg/kg	<0.1	-	0.5	✓
Copper	mg/kg	<0.1	-	0.2	✓
Zinc	mg/kg	<0.1	-	0.2	✓
Chromium	mg/kg	<0.1	-	0.2	✓
Nickel	mg/kg	0.1	-	0.2	✓
Aluminium	mg/kg	<0.1	-	0.5	✓
Magnesium	mg/kg	<0.1	-	0.5	✓
Sodium	mg/kg	0.1	-	0.5	✓
Potassium	mg/kg	0.1	-	0.5	✓
Identity (FTIR)	-	Identical to reference	-	-	✓

Please note: these are typical performance indicators and can change without notice.