

Technical Data Sheet

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

Consolidated Biofuels Marine DEF (Diesel Exhaust Fluid) is a 40% Aqueous Urea Solution (AUS 40). It is manufactured with high purity urea mixed with quality deionized ultra pure water designed to meet the specifications of ISO 18611-1:2014 for NOx emissions of large diesel engines on ships.

Consolidated Biofuels DEF is produced to exceed the quality characteristics defined in ISO 18611-2. Typical results are within the stringent quality specifications outlined in ISO 18611-2 for DEF contaminants.

Features and Benefits

- Meets ISO 18611-1:2014
- 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)	40.1	39.0	41.0	✓
Density at 25C	Kg / L	1.1142	1.050	1.177	✓
Refractive Index at 25C	-	1.3958	1.3934	1.3982	✓
Alkalinity (as ammonia)	% (m/m)	<0.1	-	0.5	✓
Biuret	% (m/m)	0.3	-	0.8	✓
Aldehydes	mg/kg	<0.6	-	100	✓
Insoluble matter	mg/kg	8.3	-	50	✓
Phosphates	mg/kg	0.04	-	1	✓
Calcium	mg/kg	<0.1	-	1	✓
Iron	mg/kg	<0.1	-	1	✓
Copper	mg/kg	<0.1	-	1	✓
Zinc	mg/kg	<0.1	-	1	✓
Chromium	mg/kg	<0.1	-	1	✓
Nickel	mg/kg	<0.1	-	1	✓
Aluminium	mg/kg	<0.1	-	1	✓
Magnesium	mg/kg	<0.1	-	1	✓
Sodium	mg/kg	<0.2	-	1	✓
Potassium	mg/kg	<0.1	-	1	✓
Identity (FTIR)	-	Identical to reference	-	-	✓

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