

Y Grade #1 Ultra Low Sulfur Diesel Fuel Specifications

| Product Property ^{1/} | Test Method | Minimum | Maximum |
|-------------------------------------|--------------|---------|---------|
| Gravity, °API | D287 | 35.0 | |
| Distillation ^{4/} | D86, D2887 | | |
| 10% Recovered, °F | | | 419 |
| 90% Recovered, °F | | | 550 |
| Copper Corrosion | D130 | 1 | |
| Cetane | | | |
| Cetane Number | D613 | 40.0 | |
| Or | | | |
| Cetane Index, A or B | D4737 | 40.0 | |
| Cetane Index ^{2/} | D976 | 40 | |
| Flash Point, °F | D93 | 115 | 160 |
| Carbon Residue on 10% Bottoms, wt % | D524 | | 0.15 |
| Pour Point, °F | D97 | | -25 |
| Viscosity at 104 °F, cSt | D445 | 1.3 | 2.1 |
| Ash, wt % | D482 | | 0.01 |
| Haze Rating ^{3/} | D4176 | | 2 |
| NACE Corrosion | TM172, D7548 | B+ | |
| Sulfur, ppm | D2622 | | 12 |

Foot Notes:

- 1/ Delivered products meet all applicable requirements at time and place of delivery.
- 2/ ASTM D976 result is required for low sulfur fuel oils to demonstrate aromatics compliance per the EPA.
- 3/ Compliance with ASTM D4176 will be determined using Procedure 2 at 77 °F or tank temperature at the time of sampling, whichever is lower.
- 4/ ASTM D2887 Simulated Distillation results must be reported after D86 correlation.

Notes:

- Y-Grade complies with the ULSD standards of 40 CFR 1090.305.
- Y-Grade is designated as ULSD in accordance with 40 CFR 1090.1115.
- The presence of biodiesel is prohibited at origin.
- Y-Grade shipments may not be dyed.