

**Product Name:** NiQuan CAF™ Blendstock

**Product Category:** Clean Aviation Fuel



**NiQuan Energy**  
CLEAN ENERGY FUELING A CLEANER WORLD

**Description:**

NiQuan Clean Aviation Fuel™ Blendstock (NiQuan CAF™) is a clean, non-toxic, essentially zero sulfur, biodegradable kerosene blend stock that is highly paraffinic and meets all requirements of the ASTM D7566 Annex 1 specifications.

**NiQuan CAF™ Specifications**

| Typical Physical Characteristics | Units       | Test Method | Specification Value |
|----------------------------------|-------------|-------------|---------------------|
| <b>Annex 1 Table A1.1</b>        |             |             |                     |
| Acidity                          | Total KOH/g | D3242       | Max 0.015           |
| Distillation 10% Off             | °C          | D86         | Max 205             |
| Distillation FBP                 | °C          | D96         | Max 300             |
| Residue                          | %           | D86         | Max 1.5             |
| % Loss                           | %           | D86         | Max 1.5             |
| Flashpoint                       | °C          | D3282       | Min 38              |
| Density @ 15°C                   | kg/m3       | D1298       | Min 730<br>Max 770  |
| Freeze Point Jet A               | °C          | D2386 (1)   | -40                 |
| Freeze Point Jet A-1             | °C          | D2383 (1)   | -47                 |
| Thermal Stability Temp           | °C          | D3241       | Min 325             |
| Thermal Pressure Drop            | mm Hg       | D3241       | Max 25              |
| Tube Deposit                     | Rating      | D3241       | < 3                 |
| <b>Annex 1 Table A1.2</b>        |             |             |                     |
| Hydrocarbon Composition          |             |             |                     |
| Cycloparaffins                   | Max %       | D4245       | 15                  |
| Aromatics                        | Mass %      | D4245       | 0.5                 |
| Paraffins                        | Mass %      | D4245       | Report              |
| Carbon and Hydrogen min          | Mass%       | D5291       | 99.5                |
| Non-hydrocarbon Composition      |             |             |                     |
| Nitrogen max                     | mg/Kg       | D4629       | 2                   |
| Water max                        | mg/Kg       | D6304       | 75                  |
| Sulfur max                       | mg/Kg       | D5453       | 15                  |
| Metals max                       | mg/kKg      | UOP 389     | 0.1/metal           |
| Halogen Max                      | mg/kg       | D7359       | 1                   |