

UFT Feed Information Requirements

Acceptable feeds include: most naphthas, alcohols, other oxygenates, LPG, olefins.

In order to forecast expected yields of the desired products, we need the following initial information about the intended hydrocarbon feeds:

- Origin of the feed (e.g. “unprocessed condensate”, “Fischer-Tropsch naphtha” etc.)
- Distillation curve / limits
- PIONA distribution (normal paraffins, isoparaffins, olefins, naphthenes, aromatics) in weight and/or volume %
- Total sulfur content, in ppm and/or weight %
- Total nitrogen content, in ppm and/or weight %.

The following additional information, will enhance the accuracy of our forecast. It is necessary for renewable naphthas:

- Detailed chromatographic analysis (e.g. ASTM 6729);
- Content of mercaptans, in ppm and/or weight %;
- Basic nitrogen content, in ppm and/or weight %;
- Content of chlorides (organic and inorganic), in ppm and/or weight %;
- Octane rating (RON, MON, AKI).

Information about your target qualities for gasoline and LPG determines the range of possible processing modes for you. Therefore, please share the technical details for the relevant standards for gasoline and, if available, LPG, containing e.g. octane rating, specific gravity, distillation range, vapor pressure, sulfur limits, blending limits, aromatic limits, etc. – depending on what is applicable in the market where you intend to sell the product. If the target standard is commonly known (e.g. RBOB, CARBOB etc.), a reference to that standard is enough.

The following price information will help us identify the optimal processing mode and check that our process makes sense in your specific case:

- Prices at which you can BUY the feeds for the contemplated plant:
 - Naphtha;
 - Fuel grade ethanol or another alcohol if it is preferred as a feed.
- Prices at which you can SELL the following products:
 - SAF;
 - Regular gasoline;
 - Premium gasoline;
 - Aviation gasoline (avgas), e.g. 100LL;
 - LPG.