

ALPHA-OLEFINS C12-C14 FRACTION

C12-C14 alpha-olefin fraction is a product of catalytic thermal ethylene oligomerization. It is used in production of synthetic lubes, olefin sulfonates and technical surfactants.

CAS Number: 112-41-4, 1120-36-1

Design specification: TU 2411-058-05766801-96

| PROPERTY | VALUE | | | | TEST METHOD |
|--|------------------|------------------|------------------|------------------|-----------------------------------|
| | C12 | | C14 | C12-C14 | |
| | A | B | | | |
| Density at 20°C, g/cm ³ | 0.757 - 0.761 | 0.760 - 0.764 | 0.770 - 0.774 | 0.760 - 0.764 | GOST 18995.1 |
| Hydrocarbons mass content, %: | | | | | para. 4.3 of TU |
| - C12-C14, min. | - | - | - | 98.0 | |
| - C10, max. | 1.0 | 0.5 | - | 1.0 | |
| - C12, min. | 98.0 | 65.0 | - | - | |
| - C12, max. | - | - | 1.0 | - | |
| - C14, min. | - | - | 98.0 | - | |
| - C14, max. | 1.0 | 35.0 | - | - | |
| - C16 and higher, max. | - | - | 1.0 | 1.0 | |
| Linear α -olefins, % mol., min. | 85.0 | 83.0 | 81.0 | 84.0 | para. 4.4 of TU |
| Branched α -olefins, % mol., max. | 11.0 | 10.4 | 9.0 | 12.0 | para. 4.4 of TU |
| Internal olefins, % mol., max. | 5.0 | 9.8 | 11.0 | 5.0 | para. 4.4 of TU |
| Paraffins mass content, % max. | 1.5 | 1.5 | 2.5 | 1.5 | para. 4.3 and 4.5 of TU |
| Peroxidates mass content, % max. | 0.0005 | 0.0005 | 0.0005 | 0.0005 | para. 4.6 of TU |
| Sulphides mass content, % max. | 0.0005 | 0.0005 | 0.0005 | 0.0005 | GOST 13380 and para. 4.7 of TU |
| Water mass content, % max. | 0.0100 | 0.0100 | 0.0100 | 0.0100 | GOST 14870 |

Supply form: Clear colorless liquid with a specific, pronounced odor.

Packaging: Product is shipped in railway tank-cars.

Transportation: Product is transported by railway.

Storage: In sealed steel container under nitrogen blanket.

Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. This specification does not release the customer from obligation to check the product as to its suitability for intended area of usage. We do not accept any liability for loss and damage that may occur from the use of this information.