

ALPHA-OLEFINS C8-C10 FRACTION

C8-C10 alpha-olefin fraction is a product of catalytic thermal ethylene oligomerization. It is used in production of linear low density polyethylene, synthetic lubes, plasticizers (via oxosynthesis) and surfactants.

CAS Number: 111-66-0, 872-05-9

Design specification: TU 2411-057-05766801-96

PROPERTY	VALUE			TEST METHOD
	C8	C10	C8-C10	
Density at 20°C, g/cm ³	0.710 - 0.725	0.725 - 0.745	0.715 - 0.730	GOST 18995.1
Hydrocarbons mass content, %:				para. 4.3 of TU
- C8, min.	99.0	-	-	
- C10, min.	-	99.0	-	
- C8-C10, min.	-	-	99.0	
- C6 and lower, max.	0.5	-	0.5	
- C8 and lower, max.	-	0.5	-	
- C10 and higher, max.	0.5	-	-	
- C12 and higher, max.	-	0.5	0.5	
Linear α -olefins, % mol., min.	96.0	94.0	95.0	para. 4.4 of TU
Branched α -olefins, % mol., max.	3.0	4.5	3.8	para. 4.4 of TU
Internal olefins, % mol., max.	1.5	1.7	1.6	para. 4.4 of TU
Paraffins mass content, % max.	1.2	0.8	1.0	para. 4.3 and 4.5 of TU
Peroxidates mass content, % max.	0.0005	0.0005	0.0005	para. 4.6 of TU
Sulphides mass content, % max.	0.0005	0.0005	0.0005	GOST 13380 and para. 4.7 of TU
Water mass content, % max.	0.005	0.005	0.005	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.

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