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Typical Specification

1-Octene (C8) Linear Alpha Olefin Liquid

DESCRIPTION

Octene-1 (C8) is colorless Linear Alpha Olefin liquid made using a low-pressure ethylene oligomerization Alpha-Sablin® process.

Properties	Unit	Value
Molecular Weight	g/mol	112.2
Specific Gravity @ 20°C		0.715
Boiling Point	(°C)	121.29
Melting / Freezing Point	(°C)	-102
Flash point	(°C)	13
Kinematics Viscosity @ 20°C	(mm ² /s)	0.66
Refractive Index	n _D ²⁰	1.4087

APPLICATIONS

- Polyethylene comonomers
- Elastomers and plastomers
- Production of synthetic fatty acids mainly used in synthetic lubricants, plasticizers and agrochemicals

Characteristic	Unit	Test Method	Specification
Carbon number (C8)	Wt. %	GC	99.5 Min
Mono - Olefin	Wt. %	GC	99.8 Min
n - Alpha Olefin	Wt. %	GC	95.0 Min
Branch Olefin	Wt. %	GC	2.5 Max
Internal Olefins	Wt. %	GC	3.0 Max
Paraffins	Wt. %	GC	0.2Max
Peroxides	wt.ppm	ASTM E-299	1 Max
Carbonyls	wt.ppm	ASTM E-411	1 Max
Appearance	Visual	ASTM D-4176	Clear & Bright
Color	Saybolt	ASTM D-6045	30 Min
Water	wt.ppm	ASTM E-1064	25 Max
Total Aromatics	wt.ppm	GC	50 Max
Benzene	wt.ppm	GC	1.0 Max

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