

## Linear Alcohols - Blends

Trade Name	NAFOL® 1618	NAFOL® 1618 H	NAFOL® 1618 S	NAFOL® 1822	NAFOL® 1822 B	NAFOL® 1822 C	NAFOL® 2022
INCI	Cetearyl Alcohol	Cetearyl Alcohol	Cetearyl Alcohol	Behenyl Alcohol	Behenyl Alcohol	Behenyl Alcohol	C20-22 Alcohols
Individual Alcohol Composition (%)	C12 – OH 0.2 max. C14 – OH 2.0 max. C16 – OH 63.0 ± 4 C18 – OH 33.0 ± 4 C20 – OH 3.0 max. C22 – OH 0.2 max.	C12 – OH 0.2 max. C14 – OH 2.0 max. C16 – OH 48.5 ± 3.5 C18 – OH 48.5 ± 3.5 C20 – OH 3.0 max. C22 – OH 0.2 max.	C12 – OH 0.4 max. C14 – OH 4.0 max. C16 – OH 27.0 ± 4 C18 – OH 70.0 ± 5 C20 – OH 2.0 max. C22 – OH 0.2 max.	C16 – OH 1.0 max. C18 – OH 43.0 ± 2 C20 – OH 11.0 ± 2 C22 – OH 44.0 ± 2 C24 – OH 1.0 max.	C16 – OH 1.0 max. C18 – OH 15.0 ± 1 C20 – OH 15.0 ± 1 C22 – OH 69.0 ± 2 C24 – OH 1.0 max.	C16 – OH 0.5 max. C18 – OH 5.0 ± 1 C20 – OH 17.0 ± 2 C22 – OH 76.0 ± 2 C24 – OH 1.5 max.	C16 – OH 0.5 max. C18 – OH 7.0 max. C20 – OH 58.0 ± 6 C22 – OH 30.0 ± 5 C24 – OH 6.0 max.
Alcohol Content (%)	98.5 min.	98.5 min.	98.5 min.	99.0 min.	99.0 min.	99.0 min.	95.0 min.
Origin	Native or synthetic	Native or synthetic	Native or synthetic	Native	Native	Native	Native
Colour (Hazen)	10.0 max.	10.0 max.	10.0 max.	20.0 max.	20.0 max.	20.0 max.	100.0 max.
Ester No. (mg KOH/g)	0.8 max.	0.8 max.	10.0 max.	0.15 max.	0.3 max.	0.3 max.	4.0 max.
Acid Number (mg KOH/g)	0.05 max.	0.05 max.	0.05 max.	0.05 max.	0.05 max.	0.05 max.	1.0 max.
Iodine Number (mg I/100 mg)	0.4 max.	0.4 max.	0.4 max.	0.5 max.	0.5 max.	0.6 max.	3.5 max.
Water Content (wt. %)	0.1 max.	0.1 max.	0.1 max.	0.1 max.	0.1 max.	0.1 max.	0.1 max.
Density (g/ml)	approx. 0.814 (60°C)	approx. 0.815 (60°C)	approx. 0.815 (60°C)	approx. 0.800 (80°C)	approx. 0.802 (80°C)	approx. 0.802 (80°C)	approx. 0.802 (80°C)
Solidification Point (°C)	46 – 49	47 – 51	50–54	57–61	63–65	64–69	55–61
Boiling Range (°C)	300 – 350	300 – 355	300 – 355				
Flash Point (°C)	approx. 176	approx. 180	approx. 183	approx. 202	approx. 204	approx. 204	approx. 200
Molecular Weight (g/mol)	248 – 260	253 – 262	257 – 267	295 – 311	312 – 320	315 – 321	300 – 315
Hydroxyl Number (mg KOH/g)	216 – 226	214 – 220	210 – 216	185 – 190	175 – 180	173 – 177	160 – 185