

# Technical Specification

**PRODUCT : Petroleum ether 30 - 50°C RPE For analysis**

**CODE : 447800**

**MOLECULAR WEIGHT :72,15**

**CAS N° : 109-66-0**

**FORMULA : CH<sub>3</sub>(CH<sub>2</sub>)<sub>3</sub>CH<sub>3</sub>**

TEST	U.M.	SPECIFICATION
Description	-	Clear liquid
Colour	APHA	<=10
Identification (I.R.)	-	Positive
Alcohol miscibility	-	Complete
Diethyl ether miscibility	-	Complete
Heavy and fatty oils	-	Conform
Readily carbonizable substances	-	Conform
Density at 15°C	-	>=0.633
Residue on evaporation	% (w/V)	<= 0.001
Water (K.F.)	ppm	<=100
Boiling point min.	°C	>=30
Boiling point max.	°C	<=50
Acidity (acetic acid)	ppm	<=0.7
Alcalinity (NH <sub>3</sub> )	ppm	<=0.2
Benzene	ppm	<=100
Unsaturated hydrocarbon	%	<=0.4
Subs. reducing KMnO <sub>4</sub>	ppm (5m)	<=20
Total sulphur	ppm	<=50
Al	ppm	<=0.5
Ba	ppm	<=0.1
Ca	ppm	<=0.5
Cd	ppm	<=0.05
Co	ppm	<=0.02
Cr	ppm	<=0.02
Cu	ppm	<=0.02
Fe	ppm	<=0.1
Mg	ppm	<=0.1
Mn	ppm	<=0.02
Ni	ppm	<=0.02
Pb	ppm	<=0.1
Sn	ppm	<=0.1
Zn	ppm	<=0.1

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.  
 CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of in