

# Technical Specification

**PRODUCT : n-PENTANE 99 % RS - SPECTROSOL - For optical spectroscopy**

**CODE : 468140**

**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 colourless liquid
Identification	-	Positive
Colour	APHA	<= 10
Density d <sub>20</sub> /4	-	0.623 - 0.629
Refractive index at 20°C	-	1.3552 - 1.3606
Boiling point	°C	35.8 - 36.3
Acidity or alkalinity	meq/g	<= 0.0002
Water (K.F.)	ppm	<= 50
Residue on evaporation	ppm	<= 2
Total sulphur (S)	ppm	<= 10
Aromatic compounds	ppm	<= 5
Assay (GC)	%	>= 99
UV Transmittance	-	-
at 210 nm	%	>= 45
at 220 nm	%	>= 89
at 230 nm	%	>= 95
from 240 nm	%	>= 98

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