

Technical Specification

PRODUCT : CYCLOHEXANE RS - SPECTROSOL - For optical spectroscopy - Reag.Ph.Eur.

CODE : 436960

MOLECULAR WEIGHT :84.16

CAS N° : 110-82-7

FORMULA : CH₂(CH₂)₄CH₂

TEST	U.M.	SPECIFICATION
Description	-	Clear colourless liquid
Colour	APHA	<= 10
Identification	-	Positive
Density d ₂₀ /4	-	0.776 - 0.782
Refractive index at 20°C	-	1.4229 - 1.4299
Boiling point	°C	80.2 - 81.2
Melting point	°C	5.5 - 7.5
Acidity or alkalinity	meq/g	<=0.0002
Water (K.F.)	ppm	<= 100
Residue on evaporation	ppm	<= 5
Aromatic compounds	ppm	<= 5
Assay (GC)	%	>= 99.9
UV Transmittance	-	-
at 210 nm	%	>= 15
at 220 nm	%	>= 45
at 230 nm	%	>= 75
at 250 nm	%	>= 98
UV Absorbance	-	-
at 220 nm	AU	<= 0.35
at 235 nm	AU	<= 0.16
at 240 nm	AU	<= 0.05
at 250 nm	AU	<= 0.01

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