

PRODUCT IDENTITY

PRODUCT NAME	Cyclohexane	PRODUCT NUMBER	C431457
Grades & Purity	PureSpectra™,For spectroscopy UV-VIS	VERSION	3
CAS NUMBER	110-82-7	FORMULA	C ₆ H ₁₂
FORMULA WEIGHT	84.16g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Appearance(C431457)	Colorless Liquid
Infrared spectrum	Conforms to Structure
Purity(GC)	99.9-100 (%)
Evaporation Residue	0-0.0002 (%)
Water by Karl Fischer	0-0.005 (%)
Acidity	0-0.0002 (eq/kg)
Alkalinity Content	0-0.0002(eq/kg)
Fluorescence (as quinine at 254nm)	0-1 (ppb)
Fluorescence (as quinine at 365nm)	0-1 (ppb)
Transmission (at 208nm)	≥ 20 (%)

PARAMETER	SPECIFICATION / LIMIT
Transmission (at 220 nm)	≥ 55 (%)
Transmission (at 230 nm)	≥ 80 (%)
Transmission (at 240 nm)	≥ 90 (%)
Transmission (from 250 nm)	98-100 (%)
Absorbance (at 208 nm)	≤ 0.70
Absorbance (at 220 nm)	≤ 0.26
Absorbance (at 230 nm)	≤ 0.10
UV Absorbance 240nm	0-0.05
Absorbance (from 250 nm)	≤ 0.01