

EM SCIENCE

CERTIFICATE OF ANALYSIS

NAME: Hexanes
OmniSolv®, UV Transparent
ITEM NUMBER: HX0296
LOT NUMBER: 41201
FORMULA: CH₃(CH₂)₄CH₃
FORMULA WT: 86.18

Data Order No: 00063929

PROPERTY	LIMITS		RESULTS	UNITS
	Min.	Max.		
Assay (C6 saturated isomers)	99.9		>99.99	%
Assay (n-Hexane)	85		88.76	%
Boiling range	68	70	68.2	°C
Capillary ECD responsive substances (as PCNB)		5	0.77	ng/L
Capillary FID responsive substances (as decane)		3	0.11	µg/L
Color (APHA)		10	<10	
Filtered through 0.2 µm filter			Passes test	
Fluorescence (as quinine base)		250	68	ppt
Form			Clear liquid	
Infrared spectrum			Conforms	
Refractive index (n 25/D)			1.3775	
Residue after evaporation		1	<0.5	ppm
UV Abs. at 195 nm		1.00	0.1155	AU
UV Abs. at 200 nm		0.50	0.0954	AU
UV Abs. at 210 nm		0.20	0.0357	AU
UV Abs. at 220 nm		0.05	0.0140	AU
UV Abs. at 230 nm		0.05	0.0070	AU
UV Abs. at 250 nm		0.01	0.0017	AU
UV Abs. at 280 nm		0.005	<0.001	AU
UV Abs. at maximum		1.00	0.116	AU
UV Cut-off		195	195.0	nm
Water (H2O)		0.01	0.0024	%



Charles M. Wilson,
Quality Assurance Manager
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