

EM SCIENCE

CERTIFICATE OF ANALYSIS

NAME: Hexanes
HPLC Grade
ITEM NUMBER: HX0290
LOT NUMBER: 34020
FORMULA: CH₃(CH₂)₄CH₃
FORMULA WT: 86.18
Meets ACS Specifications

Data Order No:00000321

PROPERTY	LIMITS		RESULTS	UNITS
	Min.	Max.		
Appearance:			Clear	
Assay (n-Hexane):	85.0		88.85	%
Assay (total Isomers):	98.5		99.71	%
Color (APHA):		10	<10	APHA
Filtered for particulate matter:			Passes test	
Infrared spectrum:			Conforms to standard	
Residue after evaporation:		5	<0.5	ppm
Sulfur compounds (as S):		0.005	<0.0005	%
Thiophene:			Passes test	
UV Abs. at 200 nm:		1.00	0.578	AU
UV Abs. at 210 nm:		0.30	0.213	AU
UV Abs. at 220 nm:		0.10	0.076	AU
UV Abs. at 230 nm:		0.05	0.032	AU
UV Abs. at 240 nm:		0.04	0.012	AU
UV Abs. at 250 nm:		0.02	0.003	AU
UV Abs. at 270 nm:		0.01	<0.001	AU
UV Abs. at 300 nm:		0.01	<0.001	AU
UV Abs. at 350 nm:		0.01	<0.001	AU
UV Cut-off:		200	192.4	nm
Water (H ₂ O):		0.01	0.003	%
Water-soluble titrable acid:		0.0003	0.00007	meq/g

Charles M. Wilson,
Quality Assurance Manager
Analysis Date: 01/26/94

