

Analysis of gasoline range hydrocarbons

BP1

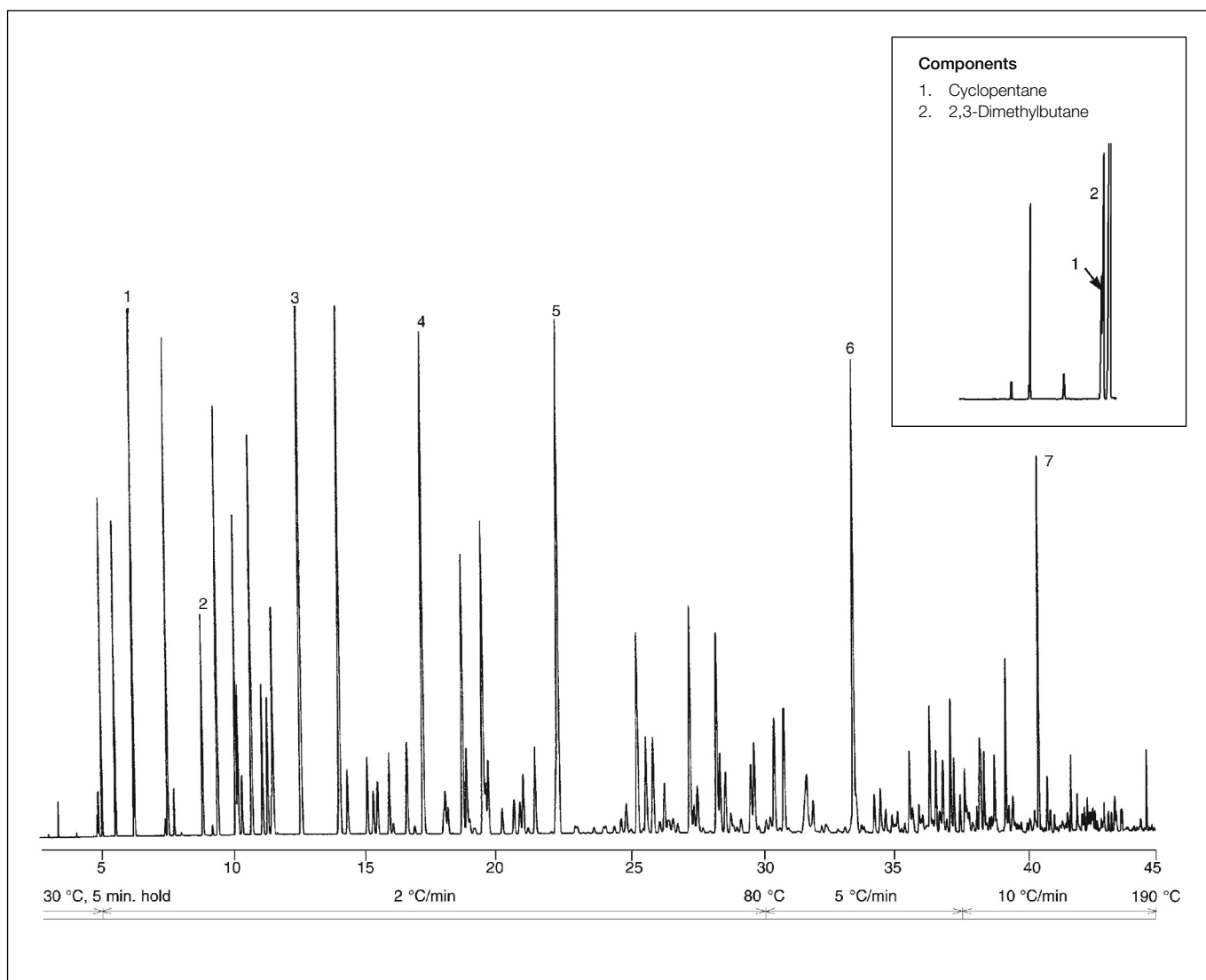
Column part number	054950		
Phase	BP1	Rate 3	10°C/min to 190°C
Column	50 m x 0.15 mm x 0.5 µm	Final temperature	190°C
Initial temperature	30°C, 5 min	Detector	FID
Rate 1	2°C/min to 80°C	Injection mode	Split
Rate 2	50°C/min to 120°C	Carrier gas	H ₂ , 40 psi

Components

Time Compound	18.84 2-Methylheptane	29.16 3,4-Dimethylheptane
4.85 Cyclopentane	19.69 1-Methyl-2-ethylcyclopentane	29.31 3-Methylethylhexane
5.00 2,3-Dimethylbutane	18.98 4-Methylheptane	29.68 4-Methyloctane
5.25 2-Methylpentane	19.23 1-cis-2-cis-4-trans-Trimethylcyclopentane	29.81 2-Methyloctane
5.74 3-Methylpentane	19.50 3-Methylheptane	30.56 3-Methyloctane
1. 6.45 n-Hexane	19.77 1-trans-4-Dimethylcyclohexane	30.93 o-Xylene
7.46 2,2-Dimethylpentane	20.73 1-Methyl-cis-2-ethylcyclopentane	31.75 1-Methyl-2-propylcyclopentane
7.60 Methylcyclopentane	20.86 1-Methyl-trans-3-ethylcyclopentane	and 1-Methyl-trans-4-ethylcyclohexane
7.91 2,4-Dimethylpentane	21.08 1-Methyl-cis-3-ethylcyclohexane	31.98 1-Methyl-cis-4-ethylcyclohexane
8.18 2,2,3-Trimethylbutane	21.27 1-Ethyl-1-methylcyclopentane	32.46 3,3-Diethylpentane
2. 8.99 Benzene	21.53 1-trans-2-Dimethylcyclohexane	32.89 2,2,6-Trimethylheptane
9.35 3,3-Dimethylpentane	5. 22.43 n-Octane	33.17 1,1,2-Trimethylcyclohexane
9.55 Cyclohexane	23.05 iso-Propylcyclopentane	6. 33.52 n-Nonane
10.23 2-Methylhexane	24.14 2,2,5-Trimethylhexane	34.26 iso-Propylbenzene
10.32 2,3-Dimethylpentane	24.19 2,2,4-Trimethylhexane	34.48 tert-Butylcyclopentane
10.47 1,1-Dimethylcyclohexane	24.53 2,4,4-Trimethylhexane	34.68 tert-Butylbenzene
10.83 3-Methylhexane	24.79 2,3,5-Trimethylhexane	35.57 sec-Butylcyclopentane
11.23 1-trans-3-Dimethylcyclopentane	25.16 2,4-Dimethylheptane	36.33 3-Methylnonane
11.43 1-cis-3-Dimethylcyclopentane	25.41 n-Propylcyclopentane	36.56 n-Propylbenzene
11.55 3-Ethylpentane	25.73 1-cis-2-Dimethylcyclohexane	36.83 n-Propylcyclohexane
11.63 1-trans-2-Dimethylcyclopentane	26.00 1,1,3-Trimethylcyclohexane	37.12 m-Ethyltoluene
11.78 2,2,4-Trimethylpentane	26.25 2,5-Dimethylheptane	37.24 p-Ethyltoluene
3. 12.73 n-Heptane	26.44 3,3-Dimethylheptane	37.64 1,3,5-Trimethylbenzene
14.23 Methylcyclohexane	26.58 3,5-Dimethylheptane	38.20 2-Methylnonane
14.53 2,2-Dimethylhexane	26.77 4,4-Dimethylheptane	38.36 o-Ethyltoluene
15.27 Ethylcyclopentane	26.94 2,3,3-Trimethylhexane	38.75 3,6-Dimethyloctane
15.49 2,5-Dimethylhexane	27.43 Ethylbenzene	38.75 1,2,4-Trimethylbenzene
15.65 2,4-Dimethylhexane	27.57 1-cis-3-cis-5-Trimethylpentane	7. 40.32 n-Decane
16.09 1-trans-2-cis-4-Trimethylcyclopentane	27.69 1,1,4-Trimethylcyclohexane	40.63 1,2,3-Trimethylbenzene
16.24 2,3,4-Trimethylpentane	27.88 2,3,4-Trimethylhexane	41.57 4-Methyldecane
16.78 1-trans-2-cis-3-Trimethylcyclopentane	28.15 3,3,4-Trimethylhexane	41.94 sec-Butylbenzene
17.05 2,3,3-Trimethylpentane	28.42 m-Xylene	42.45 n-Butylbenzene
4. 17.39 Toluene	28.54 p-Xylene	44.54 n-Undecane
18.27 2,3-Dimethylhexane	28.74 2,3-Dimethylheptane	
18.43 2-Methyl-3-ethylpentane	28.84 1-cis-2-trans-4-trans-Trimethylcyclohexane	
	28.95 1-cis-2-trans-4-cis-Trimethylcyclohexane	

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