

DIN EN 12916:2024-05 (E)

Petroleum products - Determination of aromatic hydrocarbon types in middle distillates - High performance liquid chromatography method with refractive index detection

Contents		Page
European foreword.....		3
1	Scope.....	4
2	Normative references.....	4
3	Terms and definitions	5
4	Principle	6
5	Reagents and materials.....	6
6	Apparatus.....	7
7	Sampling.....	8
8	Apparatus preparation	9
9	Calibration	11
10	Procedure.....	13
10.1	Procedure A for diesel fuels and petroleum distillates.....	13
10.2	Procedure B for paraffinic diesel fuels.....	13
10.3	Procedure A and B continuation.....	13
11	Calculation.....	15
11.1	Retention times.....	15
11.2	Column resolution	16
11.3	Cut times.....	16
11.4	Aromatic hydrocarbons type content.....	16
11.5	Polycyclic and total aromatic hydrocarbons content	17
12	Expression of results.....	17
13	Precision.....	17
13.1	General.....	17
13.2	Repeatability, <i>r</i>.....	17
13.3	Reproducibility, <i>R</i>	17
14	Test report.....	18
Annex A (informative) Column selection and use		19
Annex B (informative) Practical instructions for paraffinic diesel fuel samples.....		20
Annex C (informative) Identification of tri+-aromatics		22
Bibliography.....		23