

Tests marked * are ISO17025 accredited

TEST NAME	METHOD
Acid or base number - Colour-indicator titration method	IP 139
Calculation of cetane index of middle-distillate fuels by the four-variable equation	IP380
Carbon residue - Micro method (MCRT)	IP 398
Cloud point of petroleum products - Automatic stepped cooling method	IP 444
Cold Filter Blocking Tendency	IP 618
Contamination in middle distillates	IP 440
Corrosiveness to copper - Copper strip test	IP 154
Coumarin in kerosene by high performance liquid chromatography (HPLC)	IP 374 method B
Density — Oscillating U-tube method *	IP 365
Derived cetane number (DCN) of diesel fuel oils - Ignition delay and combustion delay using a constant volume combustion chamber method (CID)	ASTM D7668
Determination of ash *	IP 4
Determination of Quinizarin in Gas Oil - Spectrophotometric method	IP 298
Diesel and domestic heating fuels - Determination of cold filter plugging point (CFPP)	IP 309
Diesel fuel - Assessment of lubricity using the high-frequency reciprocating rig (HFRR)	IP 450
Distillation characteristics at atmospheric pressure	IP 123
Electrical conductivity of aviation and distillate fuels	IP 274
Fatty acid methyl ester (FAME) content in middle distillates - Infrared (IR) spectrometry method	IP 579
Fatty acid methyl esters (FAME) fuel and blends with diesel fuel - Determination of oxidation stability by accelerated oxidation - (Rancimat)	IP 574
Filter blocking tendency	IP 387
Flash point - Abel closed-cup method	IP 170
Flash Point - Pensky Martens closed cup method	IP 34 A
Free water and particulate contamination in distillate fuels (Visual inspection procedures)	ASTM D4176 Procedure 1
Free water and particulate contamination in distillate fuels and Haze rating (Visual inspection procedures)	ASTM D4176 Procedure 2

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TEST NAME	METHOD
Hydrogen sulphide	IP 570
Kerosene burning characteristics - 24 hour method	IP 10
Microbiological analysis in fuels, lubricant and water samples	IP 613
Net specific energy (calculated)	BS 2869:2023 (Annex B)
Oxidation stability of middle-distillate fuels	IP 388
Particle count $\geq 4 \mu\text{m}$ (Av Count)	IP 630 B
Petroleum products - Determination of cloud point (manual method)	IP 219
Petroleum products - Determination of pour point	IP 15
Petroleum products - Determination of water - Coulometric Karl Fischer titration method	IP 438
Polycyclic Aromatic Hydrocarbons	IP 391
Smoke point of kerosene, manual and automated method	IP 598
Sulphur content - Energy-dispersive x-ray fluorescence (EDXRF) spectrometry *	IP 336
Sulphur content of automotive fuels — Ultraviolet fluorescence method (3 - 500ppm)	IP 490
Transparent and opaque liquids - Kinematic viscosity and calculation of dynamic viscosity	IP 71
Weak and strong acid number - Potentiometric titration method	IP 177