ENERGY & CHEMICALS

List of standards (ISO, ASTM, EN etc.) for MGA spectrometers

Standard No	Title
ISO 6101-1:1991	Rubber – Determination of metal content by atomic absorption spectrometry – Part 1: Determination of **zinc** content
ISO 6101-2:1997	Rubber – Determination of metal content by atomic absorption spectrometry – Part 2: Determination of **lead** content
ISO 6101-3:2014	Rubber – Determination of metal content by atomic absorption spectrometry – Part 3: Determination of **copper** content
ISO 6101-4:2014	Rubber – Determination of metal content by atomic absorption spectrometry – Part 4: Determination of **manganese** content
ISO 6101-5:2006	Rubber – Determination of metal content by atomic absorption spectrometry – Part 5: Determination of **iron** content
ISO 8691:1994	Petroleum products – Low levels of **vanadium** in liquid fuels – Determination by flameless atomic absorption spectrometry after ashing
ISO 10416:2008*	Petroleum and natural gas industries – Drilling fluids – Laboratory testing
ASTM D3635-13	Standard test method for dissolved **copper** in electrical insulating oil by atomic absorption spectrophotometry
ASTM D4517-15	Standard test method for low-level total **silica** in high-purity water by flameless atomic absorption spectroscopy
ASTM D4606-15*	Standard test method for determination of **arsenic** and **selenium** in coal by the hydride generation/atomic absorption method
ASTM D6071-14	Standard test method for low level **sodium** in high purity water by graphite furnace atomic absorption spectroscopy
ASTM D6357-11	Standard test methods for determination of **trace elements** in coal, coke, and combustion residues from coal utilization processes by inductively coupled plasma atomic emission spectrometry, inductively coupled plasma mass spectrometry, and graphite furnace atomic absorption spectrometry
ASTM D6414-14*	Standard test methods for total **mercury** in coal and coal combustion residues by acid extraction or wet oxidation/cold vapor atomic absorption
ASTM D6732-04(2015)	Standard test method for determination of **copper** in jet fuels by graphite furnace atomic absorption spectrometry
EN 15411:2011	Solid recovered fuels – Methods for the determination of the content of trace elements (**As**, **Ba**, **Be**, **Cd**, **Co**, **Cr**, **Cu**, **Hg**, **Mo**, **Mn**, **Ni**, **Pb**, **Sb**, **Se**, **Tl**, **V** and **Zn**)
EN 15488:2007	Ethanol as a blending component for petrol – Determination of **copper** content – Graphite furnace atomic absorption spectrometric method
EPA Method 30B*	Determination of **mercury** from coal-fired combustion sources using carbon sorbent traps

UOP 946-96*	**Arsenic** in petroleum naphthas by HG-AAS
UOP 952-97	Trace **lead** in gasolines and naphthas by GF-AAS
UOP 986-08	**Arsenic** in heavy petroleum fractions using microwave digestion and graphite furnace AAS
IP 413	Petroleum products – Low levels of **vanadium** in liquid fuels – Determination by flameless atomic absorption spectrometry after ashing
IP 478	Determination of **copper** in aviation turbine fuels by graphite furnace atomic absorption spectrometry
IP 556	Ethanol as a blending component for petrol – Determination of **copper** content – Graphite furnace atomic absorption spectrometric method
IFP 9312	Petroleum products analysis – Determination of **arsenic** – Graphite furnace electrothermal atomic absorption spectrometry
IFP 9406	The analysis of gasoline and naphtha – Determination of traces of **lead** – Graphite furnace atomic absorption spectrometry

* with RGP-915 hydride generation system.

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