



PRODUCTS | APPLICATIONS | SUPPORT



Lumex Instruments

METALLURGY, MINING & OTHER INDUSTRIES

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

Standard No	Title	Industry
ISO 7523:1985	Nickel – Determination of silver, arsenic, bismuth, cadmium, lead, antimony, selenium, tin, tellurium and thallium contents – Electrothermal atomic absorption spectrometric method	Metallurgy
ISO 10698:1994	Steel – Determination of antimony content – Electrothermal atomic absorption spectrometric method	Metallurgy
ISO 10775:2013	Paper, board and pulps – Determination of cadmium content – Atomic absorption spectrometric method	Paper
ISO 11437-1:1994	Nickel alloys – Determination of trace-element content by electrothermal atomic absorption spectrometric method – Part 1: General requirements and sample dissolution	Metallurgy
ISO 11437-2:1994	Nickel alloys – Determination of trace-element content by electrothermal atomic absorption spectrometric method – Part 2: Determination of lead content	Metallurgy
ISO 17072-1:2011 EN ISO 17072-1:2011	Leather – Chemical determination of metal content – Part 1: Extractable metals	Leather
ISO 17072-2:2011 EN ISO 17072-2:2011	Leather – Chemical determination of metal content – Part 2: Total metal content	Leather
ISO 17352:2008	Hardmetals – Determination of silicon in cobalt metal powders using graphite-furnace atomic absorption	Metallurgy
ISO 17992:2013*	Iron ores – Determination of arsenic content – Hydride generation atomic absorption spectrometric method	Metallurgy Geology & mining
ASTM C1466-00(2012)	Standard test method for graphite furnace atomic absorption spectrometric determination of lead and cadmium extracted from ceramic foodware	Ceramic
ASTM E1587-10	Standard test methods for chemical analysis of refined nickel	Metallurgy
ASTM E1834-11	Standard test method for analysis of nickel alloys by graphite furnace atomic absorption spectrometry	Metallurgy
ASTM E1852-13	Standard test method for determination of low levels of antimony in carbon and low-alloy steel by graphite furnace atomic absorption spectrometry	Metallurgy
ASTM F963-11	Standard consumer safety specification for toy safety	Consumer protection
EN 71-3:2013+A1:2014	Safety of toys – Part 3: Migration of certain elements	Consumer protection
CEN/TR 10362:2014	Chemical analysis of ferrous materials – Determination of selenium in steels – Electrothermal atomic absorption spectrometric method	Metallurgy

EN 12497:2005*	Paper and board – Paper and board intended to come into contact with foodstuffs – Determination of mercury in an aqueous extract	Paper
EN 12938:1999/ AC:2000	Methods for the analysis of pewter – Determination of alloying and impurity element contents by atomic spectrometry	Metallurgy
EN 14935:2006	Copper and copper alloys – Determination of impurities in pure copper – ET AAS method	Metallurgy
EN 16711-1:2015	Textiles – Determination of metal content – Part 1: Determination of metals using microwave digestion	Textiles
EN 16711-2:2015	Textiles – Determination of metal content – Part 2: Determination of metals extracted by acidic artificial perspiration solution	Textiles
AOAC Official Method 999.17	Lead and cadmium extracted from ceramic foodware. Graphite furnace atomic absorption spectrometric (GFAAS) method	Ceramics

* with RGP-915 hydride generation system.

Last update: 12/15/2016

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