

Australian Standard™

**Recommended practice for metal
analysis by electrochemical
stripping techniques**

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Australasian Institute of Mining and Metallurgy
Australasian Railway Association
Australian Aluminium Council
Australian Chamber of Manufactures
Copper Development Association of Australia
National Association of Testing Authorities, Australia
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH/10, Analysis of Metals. This Standard is the result of a consensus among representatives on the Joint Committee to produce it as an Australian Standard.

The objective of this Standard is to provide general guidance to facilitate selection of instrumentation and techniques for metal analysis by electrochemical stripping techniques.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard sets out recommendations for the selection of stripping techniques (see Figure 1) suitable for the determination of the concentration of metals. Examples of metals that may be determined in the solution phase as electroactive solvated metal ions or inorganic complexes by well established stripping techniques are contained in the list below.

NOTE: Organic and organo metallic compounds which also may be determined by electrochemical stripping techniques are not considered.

Al	Aluminium	Hg	Mercury
Sb	Antimony	Mo	Molybdenum
As	Arsenic	Ni	Nickel
Bi	Bismuth	Pd	Palladium
Cd	Cadmium	Pt	Platinum
Co	Cobalt	S	Selenium
Cr	Chromium	Ag	Silver
Cu	Copper	Tc	Technetium
Ga	Gallium	Tl	Thallium
Ge	Germanium	Th	Thorium
Au	Gold	Sn	Tin
In	Indium	Ti	Titanium
Fe	Iron	U	Uranium
La	Lanthanum	V	Vanadium
Pb	Lead	Zn	Zinc
Mn	Manganese	Zr	Zirconium

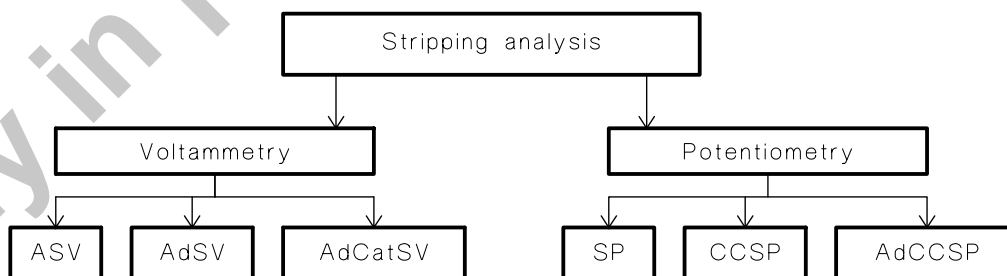


FIGURE 1 METHOD INTER-RELATIONSHIPS (refer to Clause 1.4)