

GLI Method Summary

Potassium Persulfate Fusion for Metals by Inductively Coupled Plasma - Optical Emission Spectroscopy, Atomic Absorption Spectroscopy and ICP-MS

Governing SOP: G-56B Rev 7

Analyte:

Range:

Procedure	Weigh sample into a Pt crucible and add $K_2S_2O_8$ in a 10:1 ratio. Mix thoroughly. Heat crucible over a Bunsen burner until solution is clear. Cool, place in a beaker and add deionized water. Add concentrated HCl (up to 20% of final volume) and allow melt to dissolve. Transfer to a volumetric flask and fill to the mark with deionized water.
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Reference

R. Bock, *Decomposition Methods in Analytical Chemistry*, T. & A. Constable Ltd., Edinburgh, 1979.