Spectroflux® 100, Lithium tetraborate
Catalog Number: 12078

Properties:
White, odorless powder
CAS No: 12007-60-2
Einacs No.: 234-514-3
Molecular formula: Li₂B₄O₇
Molecular weight: 169.12
Melting point: 930º C
Density: 2.4 g/cm³

Spectroflux® analytical fluxes can be used in conjunction with the following: direct reading optical or X-ray fluorescence (XRF) spectrometers, atomic absorption (AA) spectrometers, inductively Coupled Plasma Emission Spectroscopy (ICP), spectrophotometers, polarographs, ion selective electrodes and classical analytical techniques. Spectroflux® 100 is a general purpose acidic flux for fusing basic oxides, carbonates, alumino-silicates, glass, ceramics, cement steel, aluminum, concrete mixes, soils, magnesites, bauxites and rare earth oxides. Dissolves most refractories. Not suitable for highly acidic samples. Samples must be fully oxidized.

Solubility:
Soluble in water (28.9 gm/l @ 20ºC). Insoluble in organic solvents.

Storage:
Store in cool, dry conditions in well-sealed containers.

This product is offered for R&D use only. Not for human, medical, veterinary, food or household use.