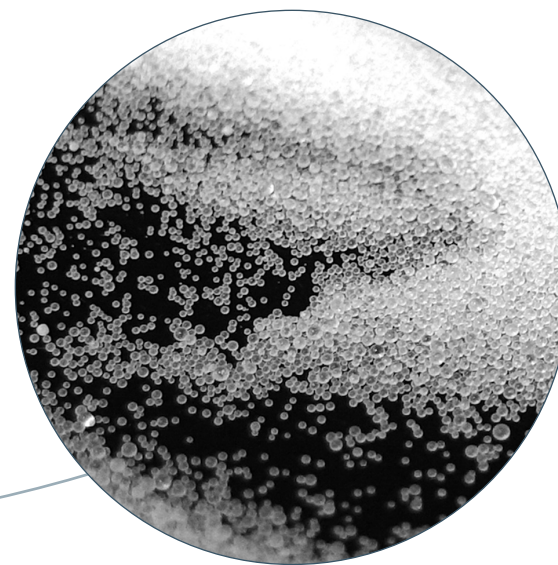




Fusion Fluxes and Additives for XRF, ICP and AA

- Ultra-pure and pure fluxes and additives
- High level of consistency and quality with no lot to lot variation



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Find out more at antylia.com.



Fusion Fluxes and Additives for XRF, ICP and AA

Fusion is a technique used to prepare inorganic samples, with a view to analyze them by X-ray fluorescence (XRF), inductively coupled plasma (ICP), atomic absorption (AA), or any traditional wet chemistry method. Typical samples include cement, ores, slag, sediment, soils, rocks, ceramics, pigments, glasses, and metals. A fusion can produce either a small, homogeneous glass disk (or 'bead') for XRF, or an acid solution for other analytical methods. Fusion is an extremely effective method of preparation for oxides, sulfides, fluorides, ferroalloys, and other compounds for analysis by XRF, AA, ICP, DCP, etc. The samples are, if necessary, pulverized and mixed with a flux. This mixture is heated until the flux melts and the sample dissolves in it, yielding a clear, homogeneous melt. The melt can be cast as a glass disk for XRF or dissolved in dilute acids for analysis in solution form. In many cases, fusion fluxing is simpler and the analytical results more accurate than if the sample was prepared by conventional acid dissolution or pressed powder methods.

Spex CertiPrep has a line of pure and ultra-pure fusion fluxes and additives. Both lines are of a high purity, with the ultra-pure line having a purity of 99.998%. These fluxes are made from a 'micro bead' formula that ensures the same ratio of components in each bead with no harmful dust to clog your instruments. Our highly standardized manufacturing process produces identical batches with no appreciable lot to lot variations, thus maintaining a high level of consistency and quality.



Fluxes and Additives



Designed for use with XRF, ICP and AA



Supplied with a Certificate of Analysis



ISO Accredited Standards

Fusion Fluxes and Additives for XRF, ICP and AA

Ultra-Pure Additives*

Description	Package Size	Part #
Lithium Bromide Crystals	125 g	FFB-100-03
Lithium Bromide Solution	15 mL	FFB-103-03
Lithium Bromide Solution (10 pack)	10 x 15 mL	FFB-105-03
Lithium Carbonate	1 kg	FFB-401-03

* Additives do not come with a Certificate of Analysis

Pure Fusion Fluxes

Description	Package Size	Part #
Lithium Metaborate (100%)	1 kg	FFB-0000-02
Lithium Tetraborate (100%)	1 kg	FFB-1000-02
Lithium Tetraborate (99.5%) / Lithium Bromide (0.50%)	1 kg	FFB-1005-02
Lithium Tetraborate (67%) / Lithium Metaborate (33%)	1 kg	FFB-6700-02
Lithium Tetraborate (66.67%) / Lithium Metaborate (32.83%) / Lithium Bromide (0.50%)	1 kg	FFB-6705-02
Lithium Tetraborate (50%) / Lithium Metaborate (50%)	1 kg	FFB-5000-02
Lithium Tetraborate (49.75%) / Lithium Metaborate (49.75%) / Lithium Bromide (0.50%)	1 kg	FFB-5005-02
Lithium Tetraborate (49.75%) / Lithium Metaborate (49.75%) / Lithium Iodide (0.50%)	1 kg	FFB-5007-02
Lithium Tetraborate (49.50%) Lithium Metaborate (49.50 %) Lithium Bromide (1.00%)	1 kg	FFB-5010-02
Lithium Tetraborate (34.83%) / Lithium Metaborate (64.67%) / Lithium Bromide (0.50%)	1 kg	FFB-3505-02

Fusion Fluxes and Additives for XRF, ICP and AA

Pure Fusion Fluxes		
Description	Package Size	Part #
Lithium Metaborate (100%)	1 kg	FFB-0000-03
Lithium Metaborate (99.5%) / Lithium Bromide (0.50%)	1 kg	FFB-0005-03
Lithium Metaborate (98.50%) / Lithium Bromide (1.50%)	1 kg	FFB-0007-03
Lithium Tetraborate (100%)	1 kg	FFB-1000-03
Lithium Tetraborate (99.5%) / Lithium Bromide (0.50%)	1 kg	FFB-1005-03
Lithium Tetraborate (99.5%) / Lithium Iodide (0.50%)	1 kg	FFB-1007-03
Lithium Tetraborate (50%) / Lithium Metaborate (50%)	1 kg	FFB-5000-03
Lithium Tetraborate (49.75%) / Lithium Metaborate (49.75%) / Lithium Bromide (0.50%)	1 kg	FFB-5005-03
Lithium Tetraborate (49.75%) / Lithium Metaborate (49.75%) / Lithium Iodide (0.50%)	1 kg	FFB-5007-03
Lithium Tetraborate (35%) / Lithium Metaborate (65%)	1 kg	FFB-3500-03

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