



**CLAISSSE**  
THE FIRST AND FINEST IN FUSION®

# FLUXES AND CHEMICALS

Your first choice to fuse samples  
for XRF, ICP and AA analysis



# HOW TO REACH EFFICIENCY WITH CLAISSE EXPERTISE?



Claisse offers a global solution in sample preparation by fusion to improve efficiency in the laboratory. Our knowledge and experience combined with the reputation of PANalytical allow us to constantly innovate to fulfill our customers' needs as well as to help them obtain accurate and precise analytical results.



Instruments



Services



Expertise





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## LITHIUM BORATE FLUXES

The lithium borate fluxes developed by our experts are homogeneous and made of spherical vitreous beads. They are sold in two grades of purity (pure 99.98+% or ultra pure 99.995+%) and are available with or without integrated non-wetting agents (NWAs).

Claisse also offers powder and sodium tetraborate (NaT) fluxes that can be customized to better fulfill your needs.

### CUSTOM BLENDS

Claisse offers customized fluxes of any borate ratio. They can be made with NWAs, oxidizers or internal standards. You have special needs in flux preparation? We have the right product for you!

### PRE-WEIGHTED FLUXES

Any types or quantities of fluxes can be pre-weighed. The pre-weighed fluxes come in vials that are easy to use for your own convenience.



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**LITHIUM TETRABORATE**  
with

**LITHIUM METABORATE**  
and

**LITHIUM BROMIDE**

49.75%  $\text{Li}_2\text{B}_4\text{O}_7$  - 49.75%  $\text{LiBO}_2$  - 0.5%  $\text{LiBr}$

**Grade:** Ultra pure

**Weight:** 1Kg

FOR CHEMICAL USE ONLY / STORE IN COOL AND DRY AREA / MADE IN CHINA

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## WHY INVEST IN THE FLUXES DEVELOPED BY CLAISSE?

- They optimize the solubility of the sample
- They ensure glass disk stability
- They prevent the overflow of the molten mixture during agitation
- They lead to the appropriate melting point
- They ensure a better fluidity, which leads to:
  - Accelerated dissolution
  - Better pouring
  - Less sticking
  - Less bubbles

## OTHER KEY CHARACTERISTICS OF OUR LITHIUM BORATE FLUXES:

- Stable
- Non-hygroscopic
- Anhydrous
- High density
- Outstanding fluidity
- No dust
- Granulometry: 100% < 500 µm
- Certificate of analysis available
- Low water content < 0.05 %
- Available with integrated NWAs (LiBr or LiI)
- Available in custom blends
- Available from stock

## NON-WETTING AGENTS

Non-wetting agents (NWAs) are halides that can be already pre-fused with fluxes or that can be added as a salt or as a solution. NWAs affect the tension on the surface of the disk and they decrease the tendency of the molten mixture to stick on the platinum ware. Contact your local sales representative for more information on the NWAs available at Claisse.



# CATALOG

## FLUXES

All of our fluxes are pre-fused and made of spherical vitreous beads (except when specified otherwise).

C-0600-00	LiT, pure, 1 kg
C-0600-10	LiT, powder flux, pure, 500 g
C-0600-60	LiT/LiBr, 99.50/0.50, pure, 1 kg
C-0600-63	LiT/LiBr, 99.0/1.0, pure, 1 kg
C-0600-70	LiT/LiI, 99.50/0.50, pure, 1 kg
C-0601-00	LiT, ultra pure, 1 kg
C-0601-10	LiT, powder flux, ultra pure, 500 g
C-0601-60	LiT/LiBr, 99.50/0.50, ultra pure, 1 kg
C-0601-70	LiT/LiI, 99.50/0.50, ultra pure, 1 kg
C-0610-00	LiM, pure, 1 kg
C-0610-10	LiM, powder flux, pure, 500 g
C-0610-66	LiM/LiBr, 98.50/1.50, pure, 1 kg
C-0611-00	LiM, ultra pure, 1 kg
C-0611-66	LiM/LiBr, 98.50/1.50, ultra pure, 1 kg
C-0620-00	LiT/LiM, 50/50, pure, 1 kg
C-0620-60	LiT/LiM/LiBr, 49.75/49.75/0.50, pure, 1 kg
C-0620-63	LiT/LiM/LiBr, 49.50/49.50/1.00, pure, 1 kg
C-0620-70	LiT/LiM/LiI, 49.75/49.75/0.50, pure, 1 kg
C-0621-00	LiT/LiM, 50/50, ultra pure, 1 kg
C-0621-60	LiT/LiM/LiBr, 49.75/49.75/0.50, ultra pure, 1 kg
C-0621-63	LiT/LiM/LiBr, 49.50/49.50/1.00, ultra pure, 1 kg
C-0621-70	LiT/LiM/LiI, 49.75/49.75/0.50, ultra pure, 1 kg
C-0630-00	Sodium tetraborate, pure, 1 kg
C-0631-00	Sodium tetraborate, ultra pure, 1 kg
C-0640-00	LiT/LiM, 67/33, pure, 1 kg
C-0640-10	LiT/LiM, 67/33, powder flux, pure, 500 g
C-0640-60	LiT/LiM/LiBr, 66.67/32.83/0.50, pure, 1 kg
C-0640-70	LiT/LiM/LiI, 66.67/32.83/0.50, pure, 1 kg
C-0641-00	LiT/LiM, 67/33, ultra pure, 1 kg
C-0641-60	LiT/LiM/LiBr, 66.67/32.83/0.50, ultra pure, 1 kg
C-0641-70	LiT/LiM/LiI, 66.67/32.83/0.50, ultra pure, 1 kg
C-0650-00	LiT/LiM, 35/65 (12/22), pure, 1 kg
C-0650-10	LiT/LiM, 35/65 (12/22), powder flux, pure 500 g
C-0650-60	LiT/LiM/LiBr, 34.83/64.67/0.50 (11.94/21.89/0.17), pure, 1 kg
C-0650-70	LiT/LiM/LiI, 34.83/64.67/0.50 (11.94/21.89/0.17), pure, 1 kg
C-0651-00	LiT/LiM, 35/65 (12/22), ultra pure, 1 kg
C-0651-60	LiT/LiM/LiBr, 34.83/64.67/0.50 (11.94/21.89/0.17), ultra pure, 1 kg

LiBr = Lithium bromide, LiI = Lithium iodide, LiT = Lithium tetraborate, LiM = Lithium metaborate

## ADDITIVES

C-0685-00	Boric acid, ultra pure, 500 g
C-0690-00	Lithium carbonate, powder flux, ultra pure, 500 g
C-0695-00	Sodium carbonate, ultra pure, 500 g
C-0700-00	Potassium iodide, NWA, crystal, 100 g
C-0700-01	Potassium iodide, NWA, crystal, 250 g
C-0701-00	Potassium iodide, NWA, solution, 15 mL bottle
C-0701-01	Potassium iodide, NWA, solution, 15 mL bottle (pack of 10)
C-0710-00	Lithium bromide, NWA, crystal, 100 g
C-0710-01	Lithium bromide, NWA, crystal, 250 g
C-0711-00	Lithium bromide, NWA, solution, 15 mL bottle
C-0711-01	Lithium bromide, NWA, solution, 15 mL bottle (pack of 10)
C-0720-00	Lithium iodide, NWA, crystal, 100 g
C-0720-01	Lithium iodide, NWA, crystal, 250 g
C-0740-00	Sodium iodide, NWA, crystal, 100 g
C-0740-01	Sodium iodide, NWA, crystal, 250 g
C-0800-00	Lithium fluoride, crystal, 100 g
C-0800-01	Lithium fluoride, crystal, 250 g
C-0900-00	Lithium nitrate, powder, 500 g
C-0910-00	Sodium nitrate, powder, 500 g



Scan this QR code to obtain more information about our fluxes and chemicals.



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