



# Micromatter Multi-Element XRF Calibration Standards - Quotation Request Form

For **Multi-element** Calibration Standards, please choose a maximum of 6 elements to be deposited on one standard from the following. Any preference for a specific top or bottom layer, please indicate in the comments section below.

For more than 1 multi-element standard, mark the elements using numbers 1, 2 and so on, where the number represents which element will be deposited in the first, second and so on number of multi-element standard respectively.

| Element  | ME Standard # |    |   |
|--|---------------|----|---|
|  | SL            | VL | L |
| Li (LiF)                                       |               |    |   |
| Na (NaCl)                                      |               |    |   |
| Mg (MgF <sub>2</sub> )                         |               |    |   |
| Al   |               |    |   |
| Si (SiO)                                       |               |    |   |
| P (GaP) <sup>1,2</sup>                         |               |    |   |
| S (InS <sub>x</sub> )                          |               |    |   |
| Cl <sup>(KCl)</sup><br>(NaCl) <sup>1</sup>     |               |    |   |
| K <sup>(KCl)</sup><br>(KI) <sup>1</sup>        |               |    |   |
| Ca (CaF <sub>2</sub> )                         |               |    |   |
| Sc (ScF <sub>3</sub> )                         |               |    |   |
| Ti   |               |    |   |
| V  |               |    |   |
| Cr   |               |    |   |
| Mn   |               |    |   |
| Fe   |               |    |   |
| Co   |               |    |   |
| Ni   |               |    |   |
| Cu   |               |    |   |
| Zn (ZnTe) <sup>1</sup><br>(GaP) <sup>1,2</sup> |               |    |   |
| Ga<br>(GaAs) <sup>1,2</sup>                    |               |    |   |

| Element                                   | ME Standard # |    |   |
|---|---------------|----|---|
|   | SL            | VL | L |
| Ge  |               |    |   |
| As (GaAs) <sup>1,2</sup>                  |               |    |   |
| Se  |               |    |   |
| Br (CsBr) <sup>1</sup>                    |               |    |   |
| Rb (RbI) <sup>1</sup>                     |               |    |   |
| Sr (SrF <sub>2</sub> )                    |               |    |   |
| Y (YF <sub>3</sub> )                      |               |    |   |
| Zr (ZrF <sub>4</sub> )                    |               |    |   |
| Nb (Nb <sub>2</sub> O <sub>3</sub> )      |               |    |   |
| Mo (MoO <sub>3</sub> )                    |               |    |   |
| Rh  |               |    |   |
| Pd  |               |    |   |
| Ag  |               |    |   |
| Cd (CdSe) <sup>2</sup>                    |               |    |   |
| In  |               |    |   |
| Sn  |               |    |   |
| Sb  |               |    |   |
| Te  |               |    |   |
| I (RbI) <sup>1</sup><br>(KI) <sup>1</sup> |               |    |   |
| Cs (CsBr) <sup>1</sup>                    |               |    |   |
| Ba (BaF <sub>2</sub> )                    |               |    |   |
| La (LaF <sub>3</sub> )                    |               |    |   |
| Ce (CeF <sub>3</sub> )                    |               |    |   |
| Pr (PrF <sub>3</sub> )                    |               |    |   |

| Element                             | ME Standard # |    |   |
|-------------------------------------|---------------|----|---|
|                                     | SL            | VL | L |
| Nd (NdF <sub>3</sub> )              |               |    |   |
| Sm (SmF <sub>3</sub> )              |               |    |   |
| Eu (EuF <sub>3</sub> )              |               |    |   |
| Gd (GdF <sub>3</sub> )              |               |    |   |
| Tb (TbF <sub>3</sub> )              |               |    |   |
| Dy (DyF <sub>3</sub> )              |               |    |   |
| Ho (HoF <sub>3</sub> )              |               |    |   |
| Er (ErF <sub>3</sub> )              |               |    |   |
| Tm (TmF <sub>3</sub> )              |               |    |   |
| Yb (YbF <sub>3</sub> )              |               |    |   |
| Lu (LuF <sub>3</sub> )              |               |    |   |
| W (WO <sub>3</sub> )                |               |    |   |
| Pt                                  |               |    |   |
| Au                                  |               |    |   |
| Hg (HgTe) <sup>2</sup>              |               |    |   |
| Tl (TlCl)                           |               |    |   |
| Pb                                  |               |    |   |
| Bi                                  |               |    |   |
| U (UF <sub>4</sub> ) <sup>3</sup>   |               |    |   |
| Th (ThF <sub>4</sub> ) <sup>3</sup> |               |    |   |
| Hf (HfI <sub>4</sub> ) <sup>2</sup> |               |    |   |
| Ta                                  |               |    |   |
| Ir                                  |               |    |   |
| Ru                                  |               |    |   |
| Re                                  |               |    |   |
| Blank Backing                       |               |    |   |

- <sup>1</sup> Dual element standards, beware of duplication
- <sup>2</sup> Variable stoichiometry (thickness certified for TOTAL of both elements)
- <sup>3</sup> Radioactive

**NOTE: Minimum quantity 2 per multi-element standard**

| Standards Key |                      |                            |
|---------------|----------------------|----------------------------|
| SL            | Super Light Standard | ~ 0.5-2 µg/cm <sup>2</sup> |
| VL            | Very Light Standard  | ~ 3-8 µg/cm <sup>2</sup>   |
| L             | Light Standard       | ~ 15-25 µg/cm <sup>2</sup> |

Please indicate your preferred backing and mounting options by checking the box with an X:

**Backing Option:**

- N - Nuclepore® polycarbonate aerosol membranes
- M6.3 - 6.3 micron Mylar® polyester film
- M3.5 - 3.5 micron Mylar® polyester film

**Mounting Option:**

- A25 - 25mm Ring Mount option "a"
- B25 - 25mm Ring Mount option "b"
- A32 - Ring Mount option "a"
- B32 - 32mm Ring Mount option "b"
- A36 - 36mm Ring Mount option "a"
- B36 - 36mm Ring Mount option "b"
- A47 - 47mm Ring Mount option "a"
- B47 - 47mm Ring Mount option "b"
- SM36 - 2x2" Square Mount with 32mm open area
- SM47 - 2x2" Square Mount with 42 mm open area
- C - Custom mount (surcharge applies)

Company Name:

Contact Name:

Contact Ph. No.:

Contact Email:

Contact Fax No.:

Order Date:

Purchase Order No.:

US Tax Identification No. (EIN):

Signature:

Comments

Bill-to Address

Ship-to Address