

**Komatiite Nano-Pellet, pressed pellet diameter 32 mm (Standard for solid-state microanalysis)**

Art. ID MY-OKUM-NP-XRF-32MM  
Unit each (pressed pellet)  
Deliverydetails No Dangerous Good /not restricted

**Description**

Pellet for X-ray fluorescence spectroscopy application /// XRF-analysers employ x-rays to interact with the sample. The x-rays excite the elements within the sample causing element-specific x-ray fluorescence.

| Text/Information | Analyte/Parameter                  | CAS number  | Concentration/Value | Unit   | Method | Source |
|------------------|------------------------------------|-------------|---------------------|--------|--------|--------|
|                  | Na <sub>2</sub> O                  |             | 1,136 ± 0,022       | g/100g |        |        |
|                  | MgO                                | [1309-48-4] | 21,29 ± 0,1         | g/100g |        |        |
|                  | Al <sub>2</sub> O <sub>3</sub>     |             | 7,97 ± 0,04         | g/100g |        |        |
|                  | SiO <sub>2</sub>                   |             | 44,14 ± 0,14        | g/100g |        |        |
|                  | P <sub>2</sub> O <sub>5</sub>      |             | 0,0266 ± 0,0023     | g/100g |        |        |
|                  | K <sub>2</sub> O                   |             | 0,044 ± 0,002       | g/100g |        |        |
|                  | CaO                                |             | 7,85 ± 0,06         | g/100g |        |        |
|                  | TiO <sub>2</sub>                   |             | 0,38 ± 0,004        | g/100g |        |        |
|                  | MnO                                |             | 0,1813 ± 0,0027     | g/100g |        |        |
|                  | Fe <sub>2</sub> O <sub>3</sub> (T) |             | 11,81 ± 0,05        | g/100g |        |        |
|                  | Scandium (Sc)                      | [7440-20-2] | 27,9 ± 1,5          | g/100g |        |        |
|                  | Vanadium (V)                       | [7440-62-2] | 167,8 ± 3,1         | g/100g |        |        |
|                  | Chromium (Cr)                      | [7440-47-3] | 2460 ± 31           | g/100g |        |        |
|                  | Cobalt (Co)                        | [7440-48-4] | 88,9 ± 1,5          | g/100g |        |        |
|                  | Nickel (Ni)                        | [7440-02-0] | 886 ± 10            | g/100g |        |        |
|                  | Copper (Cu)                        | [7440-50-8] | 43,5 ± 1,2          | g/100g |        |        |
|                  | Zinc (Zn)                          | [7440-66-6] | 61,2 ± 1,9          | g/100g |        |        |
|                  | Gallium (Ga)                       | [7440-55-3] | 8,79 ± 0,16         | g/100g |        |        |
|                  | Rubidium (Rb)                      | [7440-17-7] | 0,96 ± 0,06         | g/100g |        |        |
|                  | Strontium (Sr)                     | [7440-24-6] | 16,1 ± 1            | g/100g |        |        |
|                  | Yttrium (Y)                        | [7440-65-5] | 9,08 ± 0,29         | g/100g |        |        |
|                  | Zirconium (Zr)                     | [7440-67-7] | 17 ± 1,4            | g/100g |        |        |
|                  | Niobium (Nb)                       | [7440-03-1] | 0,37 ± 0,06         | g/100g |        |        |
|                  | Caesium (Cs)                       | [7440-46-2] | 0,184 ± 0,003       | g/100g |        |        |
|                  | Lanthanum (La)                     | [7439-91-0] | 0,412 ± 0,017       | g/100g |        |        |
|                  | Cerium (Ce)                        | [7440-45-1] | 1,27 ± 0,03         | g/100g |        |        |
|                  | Praseodymium (Pr)                  | [7440-10-0] | 0,235 ± 0,008       | g/100g |        |        |
|                  | Neodymium (Nd)                     | [7440-00-8] | 1,494 ± 0,06        | g/100g |        |        |

|                 |             |                 |        |
|-----------------|-------------|-----------------|--------|
| Samarium (Sm)   | [7440-19-9] | 0,715 ± 0,011   | g/100g |
| Europium (Eu)   | [7440-53-1] | 0,3 ± 0,007     | g/100g |
| Dysprosium (Dy) | [7429-91-6] | 1,61 ± 0,04     | g/100g |
| Holmium (Ho)    | [7440-60-0] | 0,355 ± 0,009   | g/100g |
| Erbium (Er)     | [7440-52-0] | 1,041 ± 0,014   | g/100g |
| Ytterbium (Yb)  | [7440-64-4] | 1,009 ± 0,023   | g/100g |
| Lutetium (Lu)   | [7439-94-3] | 0,148 ± 0,005   | g/100g |
| Hafnium (Hf)    | [7440-58-6] | 0,551 ± 0,023   | g/100g |
| Tantalum (Ta)   | [7440-25-7] | 0,0264 ± 0,0038 | g/100g |
| Thorium (Th)    | [7440-29-1] | 0,031 ± 0,004   | g/100g |