

**Albite Nano-Pellet, pressed pellet diameter 20 mm (Standard for solid-state microanalysis)**

Art. ID MY-AL-I-NP-XRF-20MM  
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                  |             | 10,59 ± 0,1         | g/100g |        |        |
|                  | MgO                                | [1309-48-4] | 0,035 ± 0,01        | g/100g |        |        |
|                  | Al <sub>2</sub> O <sub>3</sub>     |             | 18,59 ± 0,1         | g/100g |        |        |
|                  | SiO <sub>2</sub>                   |             | 69,34 ± 0,16        | g/100g |        |        |
|                  | P <sub>2</sub> O <sub>5</sub>      |             | 0,038 ± 0,01        | g/100g |        |        |
|                  | K <sub>2</sub> O                   |             | 0,14 ± 0,01         | g/100g |        |        |
|                  | CaO                                |             | 0,384 ± 0,02        | g/100g |        |        |
|                  | TiO <sub>2</sub>                   |             | 0,012 ± 0,004       | g/100g |        |        |
|                  | MnO                                |             | 0,004 ± 0,002       | g/100g |        |        |
|                  | Fe <sub>2</sub> O <sub>3</sub> (T) |             | 0,075 ± 0,01        | g/100g |        |        |
|                  | Lithium (Li)                       | [7439-93-2] | 1 ± 0,14            | g/100g |        |        |
|                  | Beryllium (Be)                     | [7440-41-7] | 2,7 ± 0,3           | g/100g |        |        |
|                  | Fluorine (F)                       | [7782-41-4] | 45 ± 7              | g/100g |        |        |
|                  | Scandium (Sc)                      | [7440-20-2] | 1,75 ± 0,2          | g/100g |        |        |
|                  | Vanadium (V)                       | [7440-62-2] | 2 ± 1               | g/100g |        |        |
|                  | Chromium (Cr)                      | [7440-47-3] | 2 ± 1               | g/100g |        |        |
|                  | Cobalt (Co)                        | [7440-48-4] | 0,2 ± 0,1           | g/100g |        |        |
|                  | Nickel (Ni)                        | [7440-02-0] | 2 ± 1               | g/100g |        |        |
|                  | Copper (Cu)                        | [7440-50-8] | 3 ± 0,5             | g/100g |        |        |
|                  | Zinc (Zn)                          | [7440-66-6] | 6 ± 1,5             | g/100g |        |        |
|                  | Gallium (Ga)                       | [7440-55-3] | 20 ± 0,5            | g/100g |        |        |
|                  | Arsenic (As)                       | [7440-38-2] | 0,8 ± 0,4           | g/100g |        |        |
|                  | Rubidium (Rb)                      | [7440-17-7] | 5,8 ± 0,5           | g/100g |        |        |
|                  | Strontium (Sr)                     | [7440-24-6] | 80 ± 5              | g/100g |        |        |
|                  | Yttrium (Y)                        | [7440-65-5] | 6,8 ± 0,4           | g/100g |        |        |
|                  | Zirconium (Zr)                     | [7440-67-7] | 40 ± 4              | g/100g |        |        |
|                  | Niobium (Nb)                       | [7440-03-1] | 1,6 ± 0,3           | g/100g |        |        |
|                  | Molybdenum (Mo)                    | [7439-98-7] | 0,1 ± 0,03          | g/100g |        |        |

|                   |             |             |        |
|-------------------|-------------|-------------|--------|
| Tin (Sn)          | [7440-31-5] | 0,4 ± 0,2   | g/100g |
| Antimony (Sb)     | [7440-36-0] | 0,2 ± 0,1   | g/100g |
| Caesium (Cs)      | [7440-46-2] | 0,34 ± 0,1  | g/100g |
| Barium (Ba)       | [7440-39-3] | 85 ± 6      | g/100g |
| Lanthanum (La)    | [7439-91-0] | 9,5 ± 0,6   | g/100g |
| Cerium (Ce)       | [7440-45-1] | 21 ± 1      | g/100g |
| Praseodymium (Pr) | [7440-10-0] | 2,8 ± 0,3   | g/100g |
| Neodymium (Nd)    | [7440-00-8] | 10,4 ± 0,6  | g/100g |
| Samarium (Sm)     | [7440-19-9] | 2,8 ± 0,3   | g/100g |
| Europium (Eu)     | [7440-53-1] | 0,19 ± 0,02 | g/100g |
| Gadolinium (Gd)   | [7440-54-2] | 1,9 ± 0,2   | g/100g |
| Terbium (Tb)      | [7440-27-9] | 0,3 ± 0,06  | g/100g |
| Dysprosium (Dy)   | [7429-91-6] | 1,5 ± 0,2   | g/100g |
| Holmium (Ho)      | [7440-60-0] | 0,28 ± 0,05 | g/100g |
| Erbium (Er)       | [7440-52-0] | 0,6 ± 0,1   | g/100g |
| Thulium (Tm)      | [7440-30-4] | 0,1 ± 0,015 | g/100g |
| Ytterbium (Yb)    | [7440-64-4] | 0,7 ± 0,1   | g/100g |
| Lutetium (Lu)     | [7439-94-3] | 0,13 ± 0,02 | g/100g |
| Hafnium (Hf)      | [7440-58-6] | 2,6 ± 0,2   | g/100g |
| Tantalum (Ta)     | [7440-25-7] | 1,9 ± 0,3   | g/100g |
| Tungsten (W)      | [7440-33-7] | 0,2 ± 0,1   | g/100g |
| Lead (Pb)         | [7439-92-1] | 4,5 ± 0,7   | g/100g |
| Thorium (Th)      | [7440-29-1] | 9,5 ± 1     | g/100g |
| Uranium (U)       | [7440-61-1] | 5,8 ± 0,6   | g/100g |