

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

Art. ID MY-FK-N-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 ₂ O | | 2,58 ± 0,05 | g/100g | | |
| | Al ₂ O ₃ | | 18,61 ± 0,14 | g/100g | | |
| | SiO ₂ | | 65,02 ± 0,18 | g/100g | | |
| | P ₂ O ₅ | | 0,024 ± 0,01 | g/100g | | |
| | K ₂ O | | 12,81 ± 0,14 | g/100g | | |
| | CaO | | 0,11 ± 0,02 | g/100g | | |
| | TiO ₂ | | 0,02 ± 0,01 | g/100g | | |
| | MnO | | 0,005 ± 0,001 | g/100g | | |
| | Fe ₂ O ₃ (T) | | 0,09 ± 0,03 | g/100g | | |
| | Lithium (Li) | [7439-93-2] | 8,5 ± 1,7 | g/100g | | |
| | Beryllium (Be) | [7440-41-7] | 1 ± 0,11 | g/100g | | |
| | Scandium (Sc) | [7440-20-2] | 0,05 ± 0,01 | g/100g | | |
| | Vanadium (V) | [7440-62-2] | 0,5 ± 0,2 | g/100g | | |
| | Chromium (Cr) | [7440-47-3] | 5 ± 1,8 | g/100g | | |
| | Cobalt (Co) | [7440-48-4] | 14 ± 1,5 | g/100g | | |
| | Nickel (Ni) | [7440-02-0] | 1,5 ± 0,5 | g/100g | | |
| | Copper (Cu) | [7440-50-8] | 2 ± 1 | g/100g | | |
| | Zinc (Zn) | [7440-66-6] | 10 ± 3 | g/100g | | |
| | Gallium (Ga) | [7440-55-3] | 23 ± 2,5 | g/100g | | |
| | Rubidium (Rb) | [7440-17-7] | 860 ± 50 | g/100g | | |
| | Strontium (Sr) | [7440-24-6] | 39 ± 4 | g/100g | | |
| | Yttrium (Y) | [7440-65-5] | 0,5 ± 0,1 | g/100g | | |
| | Zirconium (Zr) | [7440-67-7] | 0,7 ± 0,2 | g/100g | | |
| | Molybdenum (Mo) | [7439-98-7] | 0,25 ± 0,1 | g/100g | | |
| | Tin (Sn) | [7440-31-5] | 0,3 ± 0,1 | g/100g | | |
| | Antimony (Sb) | [7440-36-0] | 0,45 ± 0,08 | g/100g | | |
| | Caesium (Cs) | [7440-46-2] | 7 ± 0,8 | g/100g | | |
| | Barium (Ba) | [7440-39-3] | 200 ± 16 | g/100g | | |

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|-------------------|-------------|---------------|--------|
| Lanthanum (La) | [7439-91-0] | 0,95 ± 0,12 | g/100g |
| Cerium (Ce) | [7440-45-1] | 1 ± 0,1 | g/100g |
| Praseodymium (Pr) | [7440-10-0] | 0,09 ± 0,1 | g/100g |
| Neodymium (Nd) | [7440-00-8] | 0,3 ± 0,08 | g/100g |
| Samarium (Sm) | [7440-19-9] | 0,05 ± 0,02 | g/100g |
| Europium (Eu) | [7440-53-1] | 0,45 ± 0,04 | g/100g |
| Gadolinium (Gd) | [7440-54-2] | 0,06 ± 0,01 | g/100g |
| Terbium (Tb) | [7440-27-9] | 0,01 ± 0,005 | g/100g |
| Dysprosium (Dy) | [7429-91-6] | 0,06 ± 0,01 | g/100g |
| Holmium (Ho) | [7440-60-0] | 0,012 ± 0,004 | g/100g |
| Erbium (Er) | [7440-52-0] | 0,04 ± 0,01 | g/100g |
| Thulium (Tm) | [7440-30-4] | 0,006 ± 0,003 | g/100g |
| Ytterbium (Yb) | [7440-64-4] | 0,04 ± 0,02 | g/100g |
| Lutetium (Lu) | [7439-94-3] | 0,006 ± 0,002 | g/100g |
| Tantalum (Ta) | [7440-25-7] | 0,25 ± 0,04 | g/100g |
| Tungsten (W) | [7440-33-7] | 120 ± 15 | g/100g |
| Lead (Pb) | [7439-92-1] | 240 ± 20 | g/100g |
| Uranium (U) | [7440-61-1] | 0,15 ± 0,05 | g/100g |