

Harzburgite Nano-Pellet, pressed pellet, diameter 10 mm (Standard for solid-state microanalysis)

Art. ID MY-MUH-1-NP-LA-ICP-MS-10MM
Unit each (pressed pellet)
Deliverydetails No Dangerous Good /not restricted

Description

Pellet for LA-ICP-MS application /// The principle behind LA-ICP-MS (Laser Ablation - Inductively Coupled Plasma - Mass Spectrometry) involves a laser beam removing (ablating) material from a sample and analysing its chemical composition in a mass spectrometer

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|------------------|------------------------------------|-------------|---------------------|--------|--------|--------|
| | Na ₂ O | | 0,104 ± 0,01 | g/100g | | |
| | MgO | [1309-48-4] | 38,25 ± 0,16 | g/100g | | |
| | Al ₂ O ₃ | | 1,334 ± 0,019 | g/100g | | |
| | SiO ₂ | | 40,38 ± 0,17 | g/100g | | |
| | P ₂ O ₅ | | 0,0075 ± 0,0022 | g/100g | | |
| | K ₂ O | | 0,012 ± 0,003 | g/100g | | |
| | CaO | | 1,213 ± 0,01 | g/100g | | |
| | TiO ₂ | | 0,0344 ± 0,0026 | g/100g | | |
| | MnO | | 0,1179 ± 0,0014 | g/100g | | |
| | Fe ₂ O ₃ (T) | | 8,59 ± 0,05 | g/100g | | |
| | Scandium (Sc) | [7440-20-2] | 9 ± 0,4 | µg/g | | |
| | Cobalt (Co) | [7440-48-4] | 106,7 ± 2,5 | µg/g | | |
| | Nickel (Ni) | [7440-02-0] | 2104 ± 26 | µg/g | | |
| | Copper (Cu) | [7440-50-8] | 19,1 ± 1,2 | µg/g | | |
| | Zinc (Zn) | [7440-66-6] | 44,5 ± 1,8 | µg/g | | |
| | Gallium (Ga) | [7440-55-3] | 1,38 ± 0,09 | µg/g | | |
| | Rubidium (Rb) | [7440-17-7] | 0,27 ± 0,04 | µg/g | | |
| | Strontium (Sr) | [7440-24-6] | 8,5 ± 0,4 | µg/g | | |
| | Yttrium (Y) | [7440-65-5] | 0,97 ± 0,08 | µg/g | | |
| | Caesium (Cs) | [7440-46-2] | 0,099 ± 0,003 | µg/g | | |
| | Barium (Ba) | [7440-39-3] | 4,98 ± 0,29 | µg/g | | |
| | Praseodymium (Pr) | [7440-10-0] | 0,0351 ± 0,0019 | µg/g | | |
| | Neodymium (Nd) | [7440-00-8] | 0,177 ± 0,007 | µg/g | | |
| | Samarium (Sm) | [7440-19-9] | 0,0677 ± 0,0026 | µg/g | | |
| | Europium (Eu) | [7440-53-1] | 0,0262 ± 0,001 | µg/g | | |
| | Terbium (Tb) | [7440-27-9] | 0,0212 ± 0,0007 | µg/g | | |
| | Dysprosium (Dy) | [7429-91-6] | 0,153 ± 0,007 | µg/g | | |

| | | | |
|----------------|-------------|-----------------|------|
| Holmium (Ho) | [7440-60-0] | 0,0357 ± 0,0015 | µg/g |
| Erbium (Er) | [7440-52-0] | 0,1082 ± 0,0022 | µg/g |
| Thulium (Tm) | [7440-30-4] | 0,017 ± 0,0007 | µg/g |
| Ytterbium (Yb) | [7440-64-4] | 0,118 ± 0,005 | µg/g |
| Lutetium (Lu) | [7439-94-3] | 0,0191 ± 0,0013 | µg/g |
| Hafnium (Hf) | [7440-58-6] | 0,044 ± 0,013 | µg/g |
| Thorium (Th) | [7440-29-1] | 0,018 ± 0,004 | µg/g |