

# Product Data Sheet

## Luzenac 2



### Typical Properties

|                                           |                        |
|-------------------------------------------|------------------------|
| Whiteness (Minolta CR300, D65/2°) Y ..... | 73.9                   |
| L* (CIE).....                             | 88.9                   |
| a* (CIE).....                             | -0.3                   |
| b* (CIE).....                             | 1.2                    |
| B.E.T. (ISO 9277) .....                   | 2.9 m <sup>2</sup> /g  |
| Density (ISO 787/10) .....                | 2.78 g/cm <sup>3</sup> |
| Tapped density (ISO 787/11).....          | 0.91 g/cm <sup>3</sup> |
| Loose density (EN 1097/3) .....           | 0.44 g/cm <sup>3</sup> |
| Hardness (Mohs' scale) .....              | 1                      |
| pH (ISO 787/9) .....                      | 9                      |
| Oil absorption (ISO 787/5) .....          | 36 ml/100g             |

### Mineral Analysis (by thermogravimetric analysis)

|                            |     |
|----------------------------|-----|
| Talc/chlorite .....        | 97% |
| Dolomite and calcite ..... | 3%  |

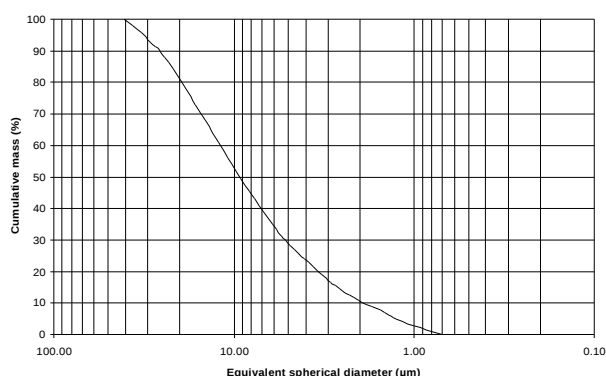
### Chemical Analysis (by X-ray fluorescence)

|                                            |        |
|--------------------------------------------|--------|
| SiO <sub>2</sub> .....                     | 46%    |
| MgO.....                                   | 31%    |
| Al <sub>2</sub> O <sub>3</sub> .....       | 10%    |
| Fe <sub>2</sub> O <sub>3</sub> .....       | 1.9%   |
| CaO .....                                  | 1.1%   |
| Loss on ignition at 1050°C.....            | 9.4%   |
| Moisture content at 105°C (ISO 787/2)..... | < 0.5% |

|                                            |      |
|--------------------------------------------|------|
| Screen residue (Alpine airjet) ≥40µm ..... | < 2% |
|--------------------------------------------|------|

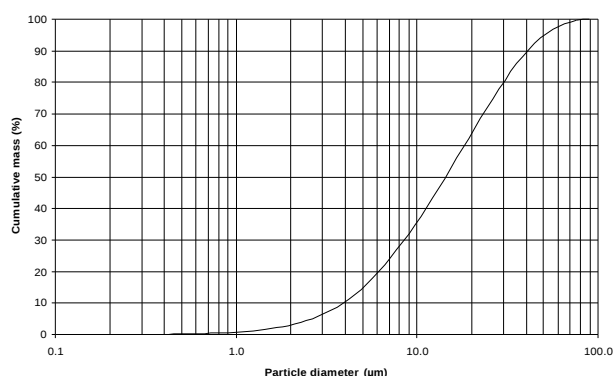
### Particle Size Distribution by Sedigraph 5100

Sedimentation analysis, Stokes' Law (ISO 13317-3)  
Median Diameter: 9.3µm



### by Laser Mastersizer 2000

Laser diffraction, Mie Theory (ISO 13320-1)  
Median Diameter: 14.2µm



**Notice:** Although the data listed are typical, they are not production specifications. The supplier provides the data in good faith, however it makes no warranty or representation of any kind, express or implied, regarding the information given or product described including any warranty of suitability for a particular purpose.