

沉积灰尘

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|-------|---------------------------|
| 行业: | Metallurgy |
| 进料尺寸: | < 2cm |
| 最终精度: | 93% < 250µm/ 100% < 250µm |
| 样品量: | |
| 研磨建议: | |



PLANETARY MONO MILL PULVERISETTE 6 CLASSIC LINE

Speed: 650 rpm (Container ash sample)

500 ml grinding bowl made of zirconium oxide (ZrO₂)
+ 8x 30 mm ZrO₂ grinding balls

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|-----------------|---|
| Feed quantity: | ~ 244 g |
| Feed Size: | < 2 cm |
| Grinding time: | 5 min*1 |
| Final fineness: | ~ 93% < 250 µm*2 |
| Comments: | <p>*1: The sample started sticking lightly since the first minute. After 5 minutes of dry grinding, the sample is sticking stronger to bowl and balls. Interacting forces between fine particles became bigger as there own g-force. Therefore, fine particles (usually < 30µm) start sticking together. These clusters of particles also contain bigger particles which will not be ground any further. A longer dry grinding is not possible. Only by grinding in suspension, a better grinding result can be achieved.</p> <p>*2: The fineness has been detected by sieving an aliquot with our Vibratory Sieve Shaker ANALYSETTE 3 Pro and a sieve of 250µm (including 5x 10mm agate balls as sieving agents).</p> |