

# 铁粉

行 业:	Chemistry, Metallurgy
进料尺寸:	~ 350µm
最终精度:	d50<10µm
样 品 量:	
研磨建议:	



## PLANETARY MONO MILL PULVERISETTE 6 CLASSIC LINE

550 rpm

250 ml hardmetal tungsten carbide (WC) + 15x20 mm WC-balls

Feed quantity: 500 g (150 ml)  
Feed Size: <350 µm  
Grinding time: 1 h\*1  
Final fineness: d50 <33,3 µm\*2

Comments: d90 <68,0 µm  
\*1: grinding steps: 10min grinding time and 30min pause/break (for cooling).  
After 10min grinding time the temperature get ~60-70° C.  
\*2: see results with our Laser-Particle-Sizer "ANALYSETTE 22"-MicroTec.



## PLANETARY MONO MILL PULVERISETTE 6 CLASSIC LINE

550 rpm

250 ml hardmetal tungsten carbide (WC) + 6x60 mm WC-balls!!

Feed quantity: 500 g (150 ml)  
Feed Size: <math><350 \mu\text{m}</math>  
Grinding time: + 30 min (=2,5 h)\*1  
Final fineness: d50 <math><27,3 \mu\text{m}</math> \*2  
Comments: \*1: grinding steps: 10min grinding time and 30min pause/break (for cooling) x3 cycles.  
After 10min grinding time the temperature get ~60-70° C.  
The grinding is not effective, a result 50%<math><10\mu\text{m}</math> with the planetary ball mill is not possible.



## PLANETARY MONO MILL PULVERISETTE 6 CLASSIC LINE

550 rpm

250 ml hardmetal tungsten carbide (WC) + 15x20 mm WC-balls

Feed quantity: 500 g (150 ml)  
Feed Size: <math><350 \mu\text{m}</math>  
Grinding time: 2 h\*1  
Final fineness: d50 <math><29,1 \mu\text{m}</math>\*2  
d90 <math><68,2 \mu\text{m}</math>  
Comments: \*1: grinding steps: 10min grinding time and 30min pause/break (for cooling).  
After 10min grinding time the temperature get ~60-70° C.  
\*2: see results with our Laser-Particle-Sizer "ANALYSETTE 22"-MicroTec.