

# SILICON CARBIDE

Protocol number: M0098193

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Industry: Chemistry

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Feed Size: <10mm

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Desired Fineness: < 1mm

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Quantity: 150g

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Recommendation: We recommend using the Planetary Mono Mill PULVERISETTE 6 classic line for grinding your kind of sample.

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## Result 1



## PLANETARY MONO MILL PULVERISETTE 6 CLASSIC LINE

main disk speed: 580 rpm

250 ml grinding bowl made of hardmetal tungsten carbide (WC)

+ 6x 30 mm WC grinding balls

Feed quantity: 150 g

Feed Size: < 10 mm

Grinding time: 1 min

Final fineness: 99,99%< 1 mm

Comments: 80ml bowls will be too small for a grinding of 150g. With 250ml bowls, up to 230-250g of sample will be grindable per batch.

After 1 minutes of grinding, sample appears to be ground to < 1mm as desired. To determine the achieved fineness, we sieved the complete sample with our Vibratory Sieve Shaker ANALYSETTE 3 Pro. About 99,99% of sample passes the used test sieve with 1mm mesh.

Even longer grinding times are plausible for a further size reduction.

