



Land-Und Garten-Schatz

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 66 pages. Original publisher: Aberdeen Proving Ground, MD : U. S. Army Research Laboratory, 2000 OCLC Number: (OCoLC)227944500 Subject: Nanostructures. Excerpt: . . . Particle size and grain size can be characterized using x-ray, electron microscopy, and particle analyzers (GALAI CISO 00 and Brookhaven Instrument BI-XDC). The GALAI CISO 00 analyzer measures particles from 0. 5 to 600 pm in size by measuring the rotating laser time of shadowing, with additional particle shape analysis using a rapid video microscope picture analyzer. The Brookhaven analyzer uses centrifugal analysis with an x-ray detector and is capable of measuring particles from 10 mn to 10 pm in size. The stored enthalpy will be measured using differential scanning calorimetry (DSC) by integrating the exothermal signals. The structure will be carefully characterized and optimized to produce maximum heat. Such optimization can be achieved through adjusting rotor speed and adding appropriate surfactant A common problem encountered with milling fine particles is the potential for significant contamination from the milling media (balls and vial) or atmosphere. Such contamination can be significantly reduced using a low-energy mill 66 , which can...



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