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Pharma Soft

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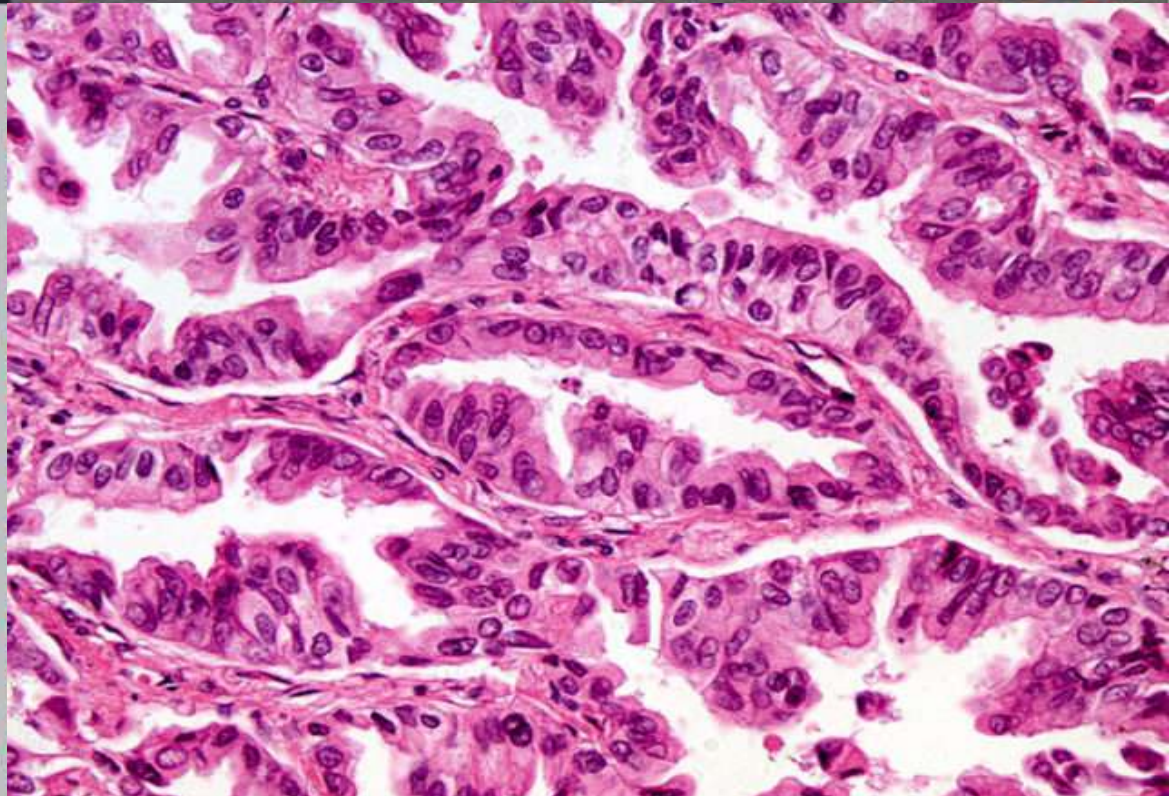
The screenshot displays the 'Acicular Particles' analysis window. It includes a 'Compute' button, a data table, summary statistics, and a distribution range table.

S.No	Width	Length	Area	Peri- Area	Roundness	Perim- Area
1	6.82	3.76	19.74	21.79	2.3611	34.86
2	2.84	3.76	3.41	9.89	0.7201	35.56
4	4.88	6.65	13.36	13.68	0.9311	34.17
5	20.88	6.11	30.60	33.67	0.3261	18.73
6	12.15	6.11	40.17	33.88	2.1201	46.42
7	18.72	13.15	141.95	160.80	1.5511	43.95
8	46.84	18.00	284.72	145.83	2.7211	18.14

Summary Statistics:
Total Acicular Particles: 586
Length of Longest Particle: 212.207
Length of Smallest Particle: 0.469
Max Area: 9484.61
Min Area: 1.98
Average Length: 20.213

Distribution Range:
 Area Length %
1.00 To 2366: 39.7
2366 To 4732: 2.87
4732 To 7098: 2.39
7098 To 9465: 0.95

Buttons: Refresh, Back, Report



Pharma Particle Size Distribution (PSD) Software - Pharma Soft

Introduction of Pharma Soft

Microscopic size and shape analysis of particles can be performed by using powerful "Pharma Soft" Image Analyse software. Thousands of Particles are automatically being detected & analysed in a matter of few seconds. Measurement methods are easily set-up in advance and performed using intuitive software wizard features, easily following the required operating procedures. Access to system configuration, calibration and measurement set-up are managed ensuring "FDA 21 CFR Part 11" compliancy. Results are displayed in both graphical and tabular format, statistical parameters and comparisons for particle size and shape Manufacturing are calculated.

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Need for particle size control in the manufacture of Pharmaceutical industry attempts to capitalize on some with less than ideal solubility profiles. The interest in particle size measurements will remain high, particularly in view of FDA trends toward recommending more through descriptions of particle size distributions in submissions in which the emphasis of a drug product claim is based in tightly controlled particle size. Microscopes and digital image Analyse can be used for:

- **Determination of particle size distribution.**
- **Particle shape e.g. aspect ratio (ratio between breath and length) which gives valuable extra information.**
- **Overview of particles dispersed in liquid or air.**
- **Observation of foreign particles in the sample (pollution).**
- **Measurement of object sizes e.g. mesh size of sieves.**

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