

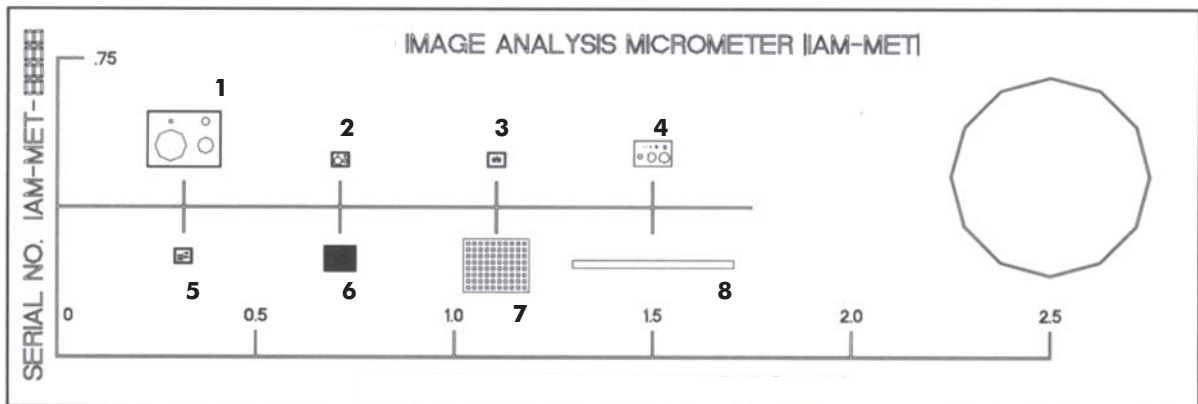


## Image Analysis Reference Standard 861-249-107

Test Plate	Frame True Size	Description
1	4600 x 3500 $\mu\text{m}$	CIRCLES with diameters of 2000, 1000, 500, 250 $\mu\text{m}$ ; available for secondary certification on special request; Reference
2	1000 x 800 $\mu\text{m}$	CIRCLES with diameters of 500, 250, 125, 62.5 $\mu\text{m}$ ; available for secondary certification on special request; Reference
3	1000 x 800 $\mu\text{m}$	BARS of 200 x 20 $\mu\text{m}$ with 30 degree angles; Reference
4*	2400 x 1620 $\mu\text{m}$	RANDOM SHAPES: approximately 5, 15, 35, 75, 150, 250, 300, 600, 675 $\mu\text{m}$ high; Reference
5	4000 x 3200 $\mu\text{m}$	SQUARES of sizes of 100, 40, 20 $\mu\text{m}$ (two sets); Reference
6	2050 x 1650 $\mu\text{m}$	GRID Pattern with 50 $\mu\text{m}$ holes and walls; Reference
7	4200 x 3400 $\mu\text{m}$	GRID Pattern with 200 $\mu\text{m}$ holes and walls; Reference
8	10,000 $\mu\text{m}$ long	SCALE (Stage Micrometer) with 10 $\mu\text{m}$ division—10,000 $\mu\text{m}$ long; Traceable

### Grain Size/Nodularity Reference Standard

\*TEST PLATE #4 has nine randomly generated shapes to stimulate granular features ideally suited for metallurgical calibration where dimensional shapes are to be measured with accuracy (see Figure 1 below).



**Figure 1**

\*Reference – No documentation provided. For routine calibration and verification of non-critical measurement systems.

\*\*Traceable – Provided with accredited calibration certificate(s) containing actual measurements for the nominal division markings. Uncertainties are included for each value reported. For routine calibration of critical measurement systems of users subject to audit, or requiring the utmost in accuracy.

Specifications and part numbers may change.  
Consult LECO for latest information.

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