

Product Data Sheet

KAVACH 470 is an ultra-bright fluorescent magnetic particle powder for locating small, medium, and large discontinuities. These particles provide clear, ultra-bright, fluorescent green indications under UV light with minimal background. KAVACH 470 is designed for use in oil baths for wet method fluorescent magnetic particle testing

PROPERTIES

Appearance	Fine, dry powder
Color in Visible Light	Green
Color in UV Light	Fluorescent yellow-green
Odor	Odorless
Mean Particle Size*	6-8 microns
SAE Sensitivity	7



KAVACH 470

Approval/Confirmation to:

- ✓ AMS 3044
- ✓ ASTM E709
- ✓ ASTM E1444
- ✓ ASME
- ✓ ISO 9934
- ✓ NAVSEA 250-1500-1

Available in 1 Kg and 500 Gms packing

Preparatory Instruction:

Weigh out the appropriate amount of KAVACH 470 and add to the appropriate amount of oil vehicle. Mix for a minimum of 15 minutes, until the particles are completely and evenly dispersed in the suspension. Check concentration before use.

Mixing Ratio: .75 Gms/Lit

Instruction to use:

Use KAVACH 470 with appropriate magnetization procedure and equipment. All components, parts, or test areas should be cleaned prior to testing to provide a suitable test surface and reduce particle suspension contamination. Particle suspension can be applied by gently spraying or flooding the components, parts, or test areas. The suspension must be properly mixed and continuously agitated when in use to ensure uniformity and concentration. Particles will settle out of suspension very quickly on standing.

Note: *The given data is best known to our knowledge, however if any discrepancy found in given data will be liable only for replacement.

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