

# ZChek -F18W

## Fluorescent Particles for Wet Method Magnetic Particle Testing

ZChek F18W is formula of fluorescent magnetic particle and water conditioner. It can be used readily in water bath.

### Specifications / Approvals

- ASTM E 709,
- ASME B & PV Code, Sec. V,
- ASTM E 1444

### Applications:

ZChek F18W is designed to detect medium to fine surface and slightly subsurface discontinuities like inclusions, seams, shrink cracks, tears, laps, flakes, welding defects, grinding cracks, quenching cracks, and fatigue cracks.

### Typical Properties:

Color Under White Light	Brown
Color Under Black Light	Yellow-Green Fluorescence
Mean Particle Size	6 Microns
Sensitivity	8-9 ( Ketose ring indication)
Max. operating Temperature	48°C Maximum
Settling Volume	0.20-0.35 ml

### Direction for use

Use F18W at 11 grams per liter. Run the pump for 15 minutes before testing.

- Check the concentration before use at least once each day using centrifuge tube.
- Parts should be clean and dry prior to testing.
- The bath must be under continuous agitation.

Using the wet continuous method, the bath is applied to all surfaces of the part. The instant the bath stream is removed from the part the magnetizing current is applied.

### Packaging – 1 kg pail.

ZChem Specialities Pvt.Ltd., No-4, No-86 F, 3<sup>rd</sup> main, 2<sup>nd</sup> cross, Yeshwantpur industrial area, Bangalore-560022,India.Tel.:080-41758373 Email: info@zchem.in website: www.zchem.in

Disclaimer: We have taken best care to ensure that the information provided in this data sheet is accurate. Our product is guaranteed to conform to the specifications provided. We make no other warranty; hence the liability is limited to replacement of product only.

ISO 9001 Certified

