



MAGNATRON SY-8000A/1 Fluorescent Magnetic Particle

SY-8000A/1 is a fluorescent magnetic particle designed for aerospace industry applications. Fluorescent magnetic particle testing is a method that facilitates the easy detection of surface-opening defects in magnetized test specimens by applying an inspection liquid containing dispersed fluorescent magnetic particles and exposing it to ultraviolet light from a blacklight. SY-8000A/1 is manufactured with a fine particle size to ensure high sensitivity for aerospace applications, providing exceptionally high detectability.

It is used in final products such as precision cast and forged components related to aircraft, offering highly reliable defect detection not only during preventive maintenance but also in quality inspections. For use, it should be dispersed and suspended in Magnatron Oil (magnetic particle dispersion oil).

■ FEATURES

- Produces highly visible fluorescent crack indications with a simple process.
- Proven track record in the aerospace industry.
- Precision inspection magnetic particle widely used for final products.

■ PROPERTIES

Color	Yellow-green fluorescence
Particle Size	$\leq 3 \mu\text{m}$
Recommended Magnetic Particle Concentration	0.1~2.0 g/L
Sedimentation Volume (Reference)	0.02~0.5mL /100mL

■ SPECIFICATION CONFORMANCE

- ASME B&PV Code, Sec.V
- ASTM E1444
- AMS3044

* Please contact us regarding compliance to the latest standards and standards not listed in this TDS.



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■ APPLICATIONS

- Aircraft components
- Precision cast and forged components

■ SPECIFICATION

How to use →



NDT Method	Magnetic Particle Testing (MT) / Fluorescent Magnetic Particle
Storage Temperature	32°F~104°F/0°C~40°C
Usage Temperature	40°F~134°F/5°C~57°C
Quality assurance period	3 years from the manufacturing date
Disposal	Dispose empty can in a safe manner in accordance with local/national regulations.

■ CONTAINER

Can Type : 1 kg can and 500g.

■ SERVICE/CONTACT

Please be sure to read the SDS (Safety Data Sheet) before use.

Please download the SDS from our website or contact our nearest sales office or distributor.

For other inquiries about our products, please contact our nearest sales office.

Contact us →

