DSV10 Sample Dissolving Agent



一、Product Overview

This product is a water-white, turbid liquid formulation designed for the softening and dissolution of cured mounting resins, particularly acrylic-based and epoxy-based metallographic specimen mounts.

二、Performance and Features

1、Contains highly effective dissolving agents, providing strong dissolution capability.

2、Non-corrosive to metal substrates; does not affect the surface finish or physical properties of the specimen, allowing the sample to be reused.

3、 Simple and convenient to use, requiring no additional equipment.

三、Instructions for Use

Place the mounted specimen into **a solvent-resistant glass container** and add DSV10 Specimen Dissolver until the specimen is fully submerged.

Allow the resin to gradually soften, form bubbles, and become brittle, so that the embedded metal sample naturally separates from the mounting material.

For thicker or fully-cured mounts, remove the softened and brittle outer layer first and then continue soaking to extend the reaction time. This avoids mechanical force that could damage the specimen surface.

For a typical specimen of ϕ30 × 18 mm, the soaking time is generally around 10–30 hours.

Alternatively, inspect the specimen periodically during soaking, remove the softened resin layer, and then continue immersion to shorten the total processing time.

四、Packaging and Storage

- ✧ Do not mix this product with other types of specimen dissolving agents, as chemical reactions may occur, producing toxic gases or reducing the dissolving performance. Do not dilute with water.
- ✧ Store the dissolver in a tightly sealed container in a cool and shaded place, out of reach of children and away from oxidizing agents, acids, and alkalis. After opening, it is recommended to use the product within 3–6 months to prevent performance loss caused by solvent evaporation.
- ✧ Avoid impact or puncture of the container. Keep away from heat sources, open flames, and direct sunlight.

五、Precautions

1. Wear chemical-resistant gloves (e.g., nitrile gloves), safety goggles, and protective clothing.
2. In case of skin contact, rinse immediately with running water for at least 15 minutes. If the product enters the eyes, open the eyelids and rinse thoroughly with water, and seek medical attention promptly.
3. Use only in a well-ventilated area. Do not use in confined spaces or near ignition sources. Keep away from open flames and high-temperature surfaces.
4. Do not use plastic containers, as they may be dissolved by the product, causing leakage.