

**Same quality.  
More possibilities.**

An ultra-low tin content PLGA excipient.

Resomer® Zero



\*tin free ( $\leq 1$  ppm)



### The main features and benefits of RESOMER® Zero:

- Protects formulations with sensitive APIs  
Achieves optimal purity for controlled release polymers with less than 1ppm tin
- Broad capability to tailor molecular weight, end group functionality, and copolymer composition
- Applicable to low and high molecular weight lactide homopolymers and lactide/glycolide copolymers
- Increased stability during melt processing
- Minimized elemental toxicity concerns when compared to conventional polymers
- Validated GMP processes
- Suitable for use with all RESOMER® catalog products for parenteral controlled release

### Designed to meet specific customer requirements while preserving the proven and trusted attributes of RESOMER® products.

RESOMER® Zero is a premium offering of polymers for parenteral depot formulations. As an extension of the RESOMER® Select product line, it provides controlled release polymers with residual tin content less than 1 ppm through the use of an additional proprietary purification process.

The reduction of elemental impurities in drug formulations is an increasing challenge for the pharmaceutical industry. These impurities can interact with some active pharmaceutical ingredients.

Evonik has developed RESOMER® Zero for use in delicate applications by keeping the polymer as pure as possible. It is the result of Evonik's commitment to continuous innovation in response to market needs.

RESOMER® Zero polymers are available as technical grade for evaluation and screening and GMP (Good Manufacturing Practice) grade for clinical and commercial manufacturing. The polymers are designed to meet specific customer requirements while preserving the proven and trusted attributes of RESOMER® products.

### Flexible, custom specifications that complement your application.

#### RESOMER® Zero

A highly flexible, reduced catalyst platform that leverages a full range of standard testing methods and established master specifications to efficiently provide customized solutions to address specific customer needs.

#### Built from the RESOMER® catalog specification

- 50:50 and 75:25 D,L-lactide-glycolide copolymer
- D,L-Lactide homopolymer

#### Adaptability to address specific customer requirements

- Expanded compendial testing to describe product attributes
- Available in laboratory to multi kilogram scales

Broad capability to tailor molecular weight, end group functionality, and copolymer composition

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