

Certificate of Analysis

AKINA INC COA CONTACT 3495 KENT AVENUE WEST LAFAYETTE IN 47906	Customer Order: 230925DTERD Shipped Quantity: 100.000 G Shipped From: ASIE IE MULLINGAR PLT Order Number: 8828405/000050 Delivery: 852698293/000040 Date Shipped: October 31, 2023 Sold To Number: 700479
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VIATEL DLG 8503 E BAG 100GM
 Viatel(TM) DLG 8503 E Poly(D,L-lactide-co-glycolide) (PLGA)
 Ashland Material Number: 946872

Batch: 0002589737

Characteristics	Specification	Results
Appearance (Pass = White to light tan solid granules, powder, flake or other suitable form as agreed with the Customer)	PASS	PASS
Molar Mass (Inherent Viscosity), dl/g	0.20 - 0.40	0.27
Polymer Identification (Pass = Conforms to 1H-NMR reference spectrum)	PASS	PASS
Co-polymer ratio (Ratio of D,L-lactide), mole %	82.0 - 88.0	84.8
Co-polymer ratio (Glycolide), mole %	12.0 - 18.0	15.2
Residual Monomer (Combined D,L-lactide and glycolide), %wt.	<= 3.00	2.85
Tin Content, ppm	<= 150	130
Solubility (Pass = Clear homogenous solution in Chloroform or Dichloromethane)	PASS	PASS
Date of Manufacture		February 21, 2022
Next Retest Date		February 20, 2027
Shipped Quantity		100.000 G

Notes:

- Packaging: This product is not sterilized and is packaged in PET/Foil/PE heat sealed packaging.

- Test Methods: Inherent viscosity is determined via Ubbelohde capillary viscometry (type 0c) in chloroform (0.1 g/dl) as per USP <911> Method 1. Polymer identification, co-polymer molar ratio and residual monomer content are determined via 1H-NMR spectroscopy as per USP <761>. Tin content is advised based on the amount of catalyst added during synthesis.

- The manufacturing and quality control records associated with above referenced lot of Viatel product have been reviewed and found to be complete. The Quality control testing of the lot complies with specification established by Ashland Specialties Ireland Ltd. The batch was produced in compliance with current USP/NF <1078> Good Manufacturing Practices for Bulk Pharmaceutical Excipients and ISO13485:2016 requirements. This lot is released for distribution.

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Characteristics	Specification	Results
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- Storage Conditions: When stored in the original packaging at low temperatures <-15°C, recommended shelf life is three years. Allow the material to reach room temperature before opening the packaging.

This COA is printed from a secure computer system ensuring the batch was properly released by the Quality Department and is valid without signature.

Manufactured by:
 ASHLAND SPECIALTIES IRELAND LTD.
 AFFILIATE OF ASHLAND
 Dublin Road, Petitswood
 MULLINGAR, CO. WESTMEATH
 N91 F6PD
 IRELAND

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