

## Chem-Impex International, Inc.

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| Certificate of Origin & BSE/TSE                             |  |            |  |                  |                | Date: 12/2/2022 9:37:3  |  |
|---|--|------------|--|------------------|----------------|-------------------------|--|
| Identificati  | on   |            |  |                  |                |                         |  |
| Item name:  | 2,2'-Bithiophene   |            |  |                  |                |                         |  |
| Catalog #: 44192  |  |            | Country of origin of starting materials: China |                  |                |                         |  |
| Lot #: 002240-2977220713                                    |  |            | Country of manufacture: China                  |                  |                |                         |  |
| Starting Ma   |  |            |  | -                |                |                         |  |
|   |  | Organic    |  |                  | Inorganic      |                         |  |
| Chemical  | Enzymatic Synthesis  |            |  |                  |                |                         |  |
|   | Fermentation   |            |  |                  |                |                         |  |
|   | Organic Synthesis  |            | ×  |                  |                |                         |  |
| Biological  |  | Hu         | man/Animal                                     | Plant            |                | Microbe                 |  |
|   | Natural  |            |  |                  |                |                         |  |
|   | GMO  |            |  |                  |                |                         |  |
| reagents, or n  | al, plant, or microbe material nedia used for its processing ag materials (for chemical or | , purifica | ition, and/or storaç                           | je.              | ☐ Yes          | <b>⋉</b> No             |  |
| Manufactu   | ring Process   |            |  |                  |                |                         |  |
| ☑ Organic Synthesis ☐ Enzymatic Synthesis ☐ Other, Specify: |  |            |  |                  |                |                         |  |
| Human or ani  | mal material was used or ca  | me in co   | ntact with the proc                            | luct or equipn   | nent, reagents | , or media used for its |  |
| processing, p   | urification, and storage.  | □Y         | es 🗷 No  | If yes, s        | pecify:        |                         |  |
|   | listed above (if applicable) i   | <u> </u>   | <del></del>                                    |                  | -              | e derived from a GMO    |  |
| ☐ Yes   | No If yes, sp  |            | meany meanied of                               | gariioiii (Civic | of all onzym   | e derived from a civic. |  |
| ☐ No de   | claration of origin possible.  | Specify:   |  |                  |                |                         |  |

## **General Declaration:**

To the present state of our knowledge we declare the above CII product does not contain any BSE / TSE AGENT. This declaration is given in good faith and no warranty express or implied with respect to quality and properties is made.

Arumugham Balakumar, PhD
Quality Control Department