

**Certificate of Analysis**

|            |                          |                     |                   |
|------------|--------------------------|---------------------|-------------------|
| Product:   | <b>Tocomix L70-IP CO</b> | Manufacturing date: | December 29, 2021 |
| Item ref.: | 353552                   | Expiry date:        | December 29, 2024 |
| Batch no.: | <b>6721122902</b>        |                     |                   |

| <b>Parameter:</b>             | <b>Method:</b>         | <b>Unit:</b> | <b>Specification:</b>        | <b>Result:</b> |
|-------------------------------|------------------------|--------------|------------------------------|----------------|
| Appearance at 20°C:           | 08 LAB MV              |              | clear – slightly hazy liquid | Passed         |
| Tocopherols level:            | ISO 9936 / QA-EC-I-089 | %            | min. 69.0                    | 71,4           |
| Colour:                       | 08 LAB MV              |              | yellow – brown               | Passed         |
| Odour:                        | 08 LAB MV              |              | typical                      | Passed         |
| Relative density (20/20°C):   | ISO 12185              |              | 0.938 – 0.963                | 0,9432         |
| Refractive index $n_D^{20}$ : | ISO 6320               |              | 1.495 – 1.510                | 1,4969         |
| Benzo(a)pyrene:               |                        | ppb (µg/kg)  | max. 2                       | Passed         |
| PAH-4(*):                     |                        | ppb (µg/kg)  | max. 10                      | Passed         |
| <i>PCR analysis (**):</i>     |                        |              |                              |                |
| CaMV35S, NOS, FMV35S:         |                        |              | negative                     | Passed         |
| <i>Tocopherol breakdown</i>   |                        |              |                              |                |
| d-alpha tocopherol            |                        | %            |                              | 7,1            |
| d-beta and -gamma tocopherol  |                        | %            |                              | 44,0           |
| d-delta tocopherol            |                        | %            |                              | 20,3           |

Some parameters are based on surveillance testing.

(\*) sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene (lowerbound, see Regulation 1881/2006). Benzo(a)pyrene and PAH-4 specifications are based on the limits for edible vegetable oils in the food legislation.

(\*\*) with reference to the tocopherol concentrate – please refer to the certified IP status as well

Disclaimer: To the best of our knowledge, the above data is correct. We can not accept liability for any errors in this document. Some parameters are subject to change upon storage, the data on this CoA reflect the status at time of analysis. Expiry date is only valid if the goods are stored under the conditions stated on the product data sheet in unopened containers. This document is valid without signature.

Issue date:  
04/01/2022

**IMCD Benelux B.V.**  
Wilhelminaplein 32, 3072 DE Rotterdam, The Netherlands  
T: +31 88 2918 600