

Test Report

Report no : VI-R2021286S-1B
Date : 2021-08-11

Sample Number : VI-2021286S-1
Client Name : TIMELESS ETERNAL PTE LTD
Client Address : 235 Jalan Besar,#04-01,Singapore 208909
Sample Receiving Date : 2021.06.29
Testing Period : 2021.07.28 – 08.05
Sample Name : Timeless Forever NMN PURE9000
Sample Condition : Sample was received and stored at ambient temperature

Test Requested

Anti-inflammatory Efficacy Test:
Inflammatory Cell Suppression Rate in Zebrafish Embryos



General Comments:

1. Test method was designed referring to OECD TG 236.
2. Scientific basis BMC Biology. 2010, 8:151; J Biol Chem. 2012, 287: 25353-25360; J Leukoc Biol. 2013, 94(4): 633-642; Molecules. 2014, 19(2): 2390-2409, 14: 721-721.
3. Sample was pretreated according to our in-house method VI_SOP_002 as body lotion products before test.

Test Results: Please refer to next page

Approved signatory:




Dr. Xueping Chen

Chief Technology Officer, UK & EU Registered Toxicologist, Chartered Biologist

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Date : 2021-08-11

Test Results:

Category: Body lotion

Sample Description		Timeless Forever NMN PURE9000
Sample ID		VI-2021286S-1
Test	Concentration (g/L)	Result
Inflammatory cell (neutrophil) suppression rate in zebrafish embryos ⁽¹⁾	0.01	29% (<i>p</i> = 0.027)
Anti-inflammatory Efficacy ⁽³⁾	Significant	

Remarks:

1. Inflammation model: zebrafish embryos exposed to CuSO₄ were used as inflammation model with inflammatory cell (neutrophil) accumulation along the lateral line.
2. Inflammatory cell (neutrophil) suppression rate in zebrafish embryos = [(the number of neutrophils in inflammation model zebrafish embryos - the number of neutrophils in inflammation model zebrafish embryos treated with testing sample) ×100/ the number of neutrophils in inflammation model zebrafish embryos] %.
3. Based on the inflammatory cell suppression rate in zebrafish embryos and the statistical difference (*p* value) of the suppression rate, the anti-inflammatory efficacy of a testing sample is determined as Significant (*p*<0.05) or Insignificant (*p*≥0.05).
4. Refer to Appendix 1 for representative photos of anti-inflammatory efficacy test results.
5. The test results relate only to the submitted test item with the sample number and receiving date specified on the previous page.

-- End of Test Report --

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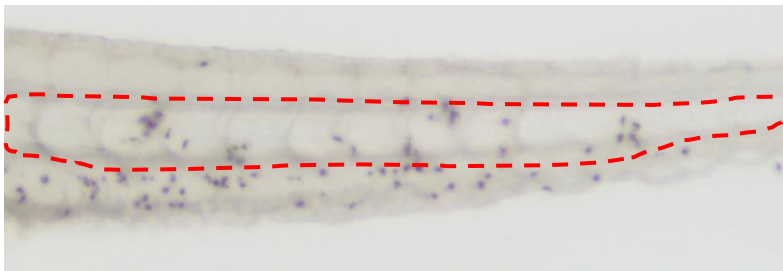
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Appendix 1

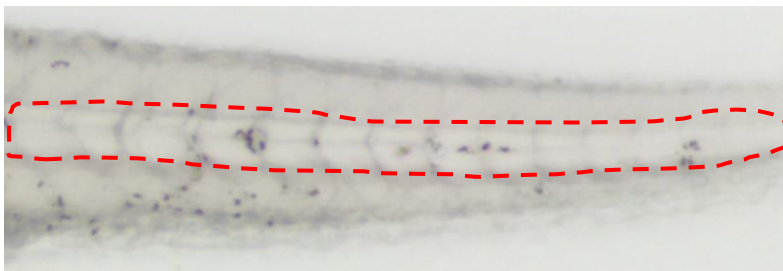
Representative photos of Anti-inflammatory Efficacy Test results

Non-significant anti-inflammatory efficacy (0% inflammatory cell suppression rate)

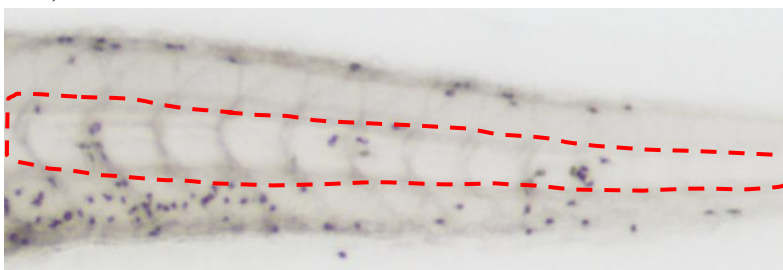


* Dark spots are stained inflammatory cells.

Significant anti-inflammatory efficacy (30% inflammatory cell suppression rate)



VI-2021286S-1 Timeless Forever NMN PURE9000 (29% inflammatory cell suppression rate)



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