

## Annex 3: Piperine validation data

### Piperine

#### Calibration

#### Recovery and repeatability

Sample	Batch 1 concentration (mg/kg)	Batch 2 concentration (mg/kg)	Batch 3 concentration (mg/kg)
Low spike sample 1	633	766	820
Low spike sample 2	581	743	831
Low spike sample 3	623	702	754
Low spike sample 4	588	741	818
Low spike sample 5	633	738	809
Low spike sample 6	599	702	814
Low spike sample 7	620	688	758
<b>Average</b>	<b>611</b>	<b>726</b>	<b>801</b>
<b>Recovery</b>	<b>68%</b>	<b>81%</b>	<b>89%</b>
<b>Repeatability (RSD)</b>	<b>3.5%</b>	<b>3.9%</b>	<b>3.9%</b>
Medium spike sample 1	16,327	14,128	12,387
Medium spike sample 2	15,272	13,283	12,466
Medium spike sample 3	16,045	11,923	11,436
Medium spike sample 4	15,890	12,224	12,300
Medium spike sample 5	15,569	11,036	12,633
Medium spike sample 6	15,362	10,935	12,868
Medium spike sample 7	16,604	11,152	12,420
<b>Average</b>	<b>15,867</b>	<b>12,097</b>	<b>12,359</b>
<b>Recovery</b>	<b>88%</b>	<b>67%</b>	<b>69%</b>

Sample	Batch 1 concentration (mg/kg)	Batch 2 concentration (mg/kg)	Batch 3 concentration (mg/kg)
Repeatability (RSD)	3.1%	10.1%	3.6%

Fera hereby excludes all liability for any claim, loss, demands or damages of any kind whatsoever (whether such claims, loss, demands or damages were foreseeable, known or otherwise) arising out of or in connection with the preparation of any technical or scientific report, including without limitation, indirect or consequential loss or damage; loss of actual or anticipated profits (including loss of profits on contracts); loss of revenue; loss of business; loss of opportunity; loss of anticipated savings; loss of goodwill; loss of reputation; loss of damage to or corruption of data; loss of use of money or otherwise, and whether or not advised of the possibility of such claim, loss demand or damages and whether arising in tort (including negligence), contract or otherwise. This statement does not affect your statutory rights.

Nothing in this disclaimer excludes or limits Fera liability for: (a) death or personal injury caused by Fera negligence (or that of its employees, agents or directors); or (b) the tort of deceit; [or (c) any breach of the obligations implied by Sale of Goods Act 1979 or Supply of Goods and Services Act 1982 (including those relating to the title, fitness for purpose and satisfactory quality of goods);] or (d) any liability which may not be limited or excluded by law (e) fraud or fraudulent misrepresentation.

The parties agree that any matters are governed by English law and irrevocably submit to the non-exclusive jurisdiction of the English courts.

Copyright © Fera Science Ltd. (Fera) 2022. All rights reserved.