

# 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

<b>Sample</b>	<b>Batch 1 concentration (mg/kg)</b>	<b>Batch 2 concentration (mg/kg)</b>	<b>Batch 3 concentration (mg/kg)</b>
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>

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

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