

REGISTRATION REPORT

Part B

Section 1: Identity

Section 2: Physical and chemical properties

Section 4: Further information

Detailed summary of the risk assessment

Product code: CA3573

Product name(s): Carnadine/Kestrel

Chemical active substance:

Acetamiprid, 200 g/L

Central Zone

Zonal Rapporteur Member State: Poland

CORE ASSESSMENT

(Re-authorisation acc. to Art. 43)

Applicant: Nufarm Europe GmbH

Submission date: July 2020

MS Finalisation date: November 2020 (initial Core Assessment)

November 2021, January 2022, March 2022 (final Core Assessment)

Version history

When	What
July 2020	Version 1.0 (application).
November 2020	Evaluation by the zRMS (re-authorization). The report in the dRR format has been prepared by the Applicant, therefore all comments, additional evaluations and conclusions of the zRMS are presented in grey commenting boxes. Minor changes are introduced directly in the text and highlighted in grey. Not agreed or not relevant information are struck through and shaded for transparency.
November 2021	Final report (Core Assessment updated following the commenting period) No additional information or assessments after the commenting period.
January 2022	Final report (Core Assessment after additional round of the commenting period) No additional information or assessments after the commenting period.
March 2022	Updated version at the request of the Polish Ministry of Agriculture and Rural Development with regard to the removal of confidential data regarding the specifications of the proposed packaging.

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Sufficient data on identity, physical and chemical properties and other information are available for the plant protection product and the contained technical active substance.

Noticed data gaps are: none

1 Section 1: Identity of the plant protection product

1.1 Applicant (KCP 1.1)

Company: Nufarm Europe GmbH
Address: St-Peter Strasse 25, 4021 Linz, Austria
Contact: xxx
Phone: xxxx
Fax: xxxx
E-Mail: xxx

1.2 Producer of the plant protection product and of the active substances (KCP 1.2)

1.2.1 Producer(s) of the preparation

Confidential information or data are provided separately (Part C).

1.2.2 Producer(s) of the active substance(s)

Confidential information or data are provided separately (Part C).

1.2.3 Statement of purity (and detailed information on impurities) of the active substance(s)

1.2.3.1 Acetamiprid

Acetamiprid	min. 990 g/kg
Relevant impurities	None according to the Final Renewal Report (SANTE/10502/2017 Rev 4 13 December 2017)

1.3 Trade names and producer's development code numbers for the preparation (KCP 1.3)

Trade name:	Please refer to Registration Report Part A for the relevant country
Company code number:	CA3573 (formerly named MCW-2222)

1.4 Detailed quantitative and qualitative information on the composition of the preparation (KCP 1.4)

1.4.1 Composition of the plant protection product (KCP 1.4.1)

Table 1.4-1: Active substance(s) and variant(s) of the active substance(s)

Active substance / variant	Declared content of the pure active substance / variant (g/L or g/kg)	FAO Limits 6% of declared content (min – max)	Technical content* (g/L or g/kg)	Technical content** (%w/w)
Acetamiprid	200 g/L	188 – 112 g/L	202.0 g/L	17.78 % w/w

* Based on the minimum purity of the active substance declared for registration in the active substance dossiers, i.e. 990 g/kg (99%)

** Based on the density of the formulation = 1.1361 g/cm³

Safener and synergists

No relevant safeners or synergists are being used.
CONFIDENTIAL information is provided separately (Part C).

Table 1.4-2: Relevant impurities

No relevant impurities have been identified according to the Final Renewal Report of Acetamiprid (SANTE/10502/2017 Rev 4 13 December 2017)

1.4.2 Information on the active substance(s) (KCP 1.4.2)

Table 1.4-3: Information on acetamiprid

Type	Name/Code Number
ISO common name	Acetamiprid
CAS No.	135410-20-7
EC No.	603-921-1
CIPAC No.	649

1.4.3 Information on safeners, synergists and co-formulants (KCP 1.4.3)

CONFIDENTIAL information is provided separately (Part C).

1.5 Type and code of the plant protection product (KCP 1.5)

Type: Soluble concentrate	[Code: SL)]
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1.6 Function (KCP 1.6)

CA3573 is an insecticide.

2 Section 2: Physical, chemical and technical properties of the plant protection product

All studies have been performed in accordance with the current requirements and the results are deemed to be acceptable. The product CA3573 is a clear, yellow-orange to brown liquid with a characteristic odour. It is not explosive and has no oxidising properties. Its auto-ignition temperature accounts for 285 °C. Aqueous solutions of the product have pH values between 6.31 and 7.36.

There is no effect of high temperature on the stability of the formulation, since after 56 days at 40 °C, neither the active ingredient content nor the technical properties were changed. The stability data indicate a shelf life of at least 2 years at ambient temperature when stored in HDPE bottles. The product is sensitive to low temperatures.

Its technical characteristics are acceptable for a SL formulation.

The intended concentration of use is 0.025 g a.s./L to 0.3 g a.s./L which for the product corresponds to 0.0125% to 0.15% (v/v).

The product is not intended to be mixed in the tank together with other formulations.

Justified Proposals for Classification and Labelling (KCP 12) for physical chemical part only

None relevant for this section.

Notifier Proposals for Risk and Safety Phrases (KCP 12)

None, relevant for this section.

Compliance with FAO specifications:

The product CA3573 complies with FAO specifications.

Formulation used for tests

This application is for CA3573 with the Tradename Carnadine and/or Kestrel (Acetamiprid 200 SL) by Nufarm GmbH & Co.KG. The product was formerly owned by Adama ADAMA Makhteshim Ltd. under the product code MCW-2222. The two products are identical. Therefore, all studies conducted with MCW-2222 can be used for CA3573, without any restrictions. Further details are given in Part C.

Table 2-1: Physical, chemical and technical properties of the plant protection product

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Colour and physical state (KCP 2.1)	Visual inspection and smelling	Batch No. 611-280413-01 201 g/L acetamiprid (CoA)	MCW-2222 is a clear, yellow-orange liquid with a characteristic odour (before and after storage for 56 days at 40° C)	Y	KCP 2.1/01 Walter, D. (2014a), Study code.: R-33406 / S13-03100	The results are still valid and acceptable.
	Visual inspection and smelling	Batch No. 611-280413-01 201 g/L acetamiprid (CoA)	MCW-2222 is a clear, yellow-orange liquid with a characteristic odour (before and after storage for 24 months)	Y	KCP 2.1/02 Walter, D. (2015), Study code: R-33408 / S13-03102 (final report)	The results are still valid and acceptable.
Explosive properties (KCP 2.2.1)	EEC A.14.	Batch No. 611-280413-01 201 g/L acetamiprid (CoA)	The product MCW-2222 has no explosive properties	Y	KCP 2.2.1/01 Krack, M. (2013a), Study code.: R-33398 / 20130274.01	The results are still valid and acceptable. The product is not considered as an explosive.
Oxidizing properties (KCP 2.2.2)	-	Theoretical evaluation	From the assessment of the active substances and the inert ingredients it was established that the formulation MCW-2222 does not have oxidizing properties.	Y	KCP 2.2.2/01 Walter, D. (2014b), Study code.: R-33400 / S13-03094	The results are still valid and acceptable. The product is not considered as an oxidizing.
Flash point (KCP 2.3.1)	EC Method A.9.	Batch No. 611-280413-01 201 g/L acetamiprid (CoA)	Flash point is > 55 60°C, therefore the product is to be classified as non-flammable	Y	KCP 2.3.1/01 Walter, D. (2014c), Study code: R 33401 / S13-03095	The results are still valid and acceptable.
Flammability (KCP 2.3.2)	-	-	Not required, since the product is neither a solid nor a gas, but a liquid preparation.	-	-	-
Self-heating (KCP 2.3.3)	EEC A.15.	Batch No. 611-280413-01 201 g/L acetamiprid (CoA)	Auto-ignition temperature is 285°C	Y	KCP 2.3.3/01 Krack, M. (2013b), Study code: R-33399 / 20130274.02	The results are still valid and acceptable.
Acidity or alkalinity and pH (KCP 2.4.1)	CIPAC MT 191	-	Not relevant because pH of product is: 4<pH<10	Y	KCP 2.4.1/01 Walter, D. (2015), Study code: R-33408 / S13-03102 (final report)	-

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments																																																																																																																																																																																																													
pH of a 1% aqueous dilution, emulsion or dispersion (KCP 2.4.2)	CIPAC MT 75.3	Batch No. 611-280413-01 201 g/L acetamiprid (CoA)	<u>Before storage at 20°C:</u> pH 6.35 <u>After storage for 56 days at 40°C:</u> pH 7.36	Y	KCP 2.4.2/01 Walter, D. (2014a), Study code: R-33406 / S13-03100	The results are still valid and acceptable.																																																																																																																																																																																																													
			<u>After storage for 24 months at 20°C:</u> pH 6.35 (final report)	Y	KCP 2.4.2/02 Walter, D. (2015), Study code: R-33408 / S13-03102 (final report)	The results are still valid and acceptable.																																																																																																																																																																																																													
Viscosity (KCP 2.5.1)	OECD 114, CIPAC MT 192	Batch No. 6-280413-01 201 g/L acetamiprid (CoA)	<p>The product is a newtonian liquid. Nevertheless, the dynamic viscosity was assessed: at 20°C +/- 1°C 12.5 mPa×s,</p> <p>Table 2: Measurement 2, Viscosity at 20 °C</p> <table><tr><th>Measuring point</th><th>Viscosity η [mPa s]</th><th>Temperature [°C]</th><th>Shear rate D [1/s]</th><th>Shear stress τ [Pa]</th></tr><tr><td>1</td><td>12.56</td><td>20</td><td>5</td><td>0.06</td></tr><tr><td>2</td><td>12.42</td><td>20</td><td>10</td><td>0.12</td></tr><tr><td>3</td><td>12.44</td><td>20</td><td>15</td><td>0.19</td></tr><tr><td>4</td><td>12.46</td><td>20</td><td>20</td><td>0.25</td></tr><tr><td>5</td><td>12.49</td><td>20</td><td>25</td><td>0.31</td></tr><tr><td>6</td><td>12.47</td><td>20</td><td>30</td><td>0.37</td></tr><tr><td>7</td><td>12.46</td><td>20</td><td>35</td><td>0.44</td></tr><tr><td>8</td><td>12.48</td><td>20</td><td>40</td><td>0.50</td></tr><tr><td>9</td><td>12.50</td><td>20</td><td>45</td><td>0.56</td></tr><tr><td>10</td><td>12.47</td><td>20</td><td>50</td><td>0.62</td></tr><tr><td>11</td><td>12.51</td><td>20</td><td>55</td><td>0.69</td></tr><tr><td>12</td><td>12.50</td><td>20</td><td>60</td><td>0.75</td></tr><tr><td>13</td><td>12.56</td><td>20</td><td>65</td><td>0.82</td></tr><tr><td>14</td><td>12.46</td><td>20</td><td>70</td><td>0.87</td></tr><tr><td>15</td><td>12.57</td><td>20</td><td>75</td><td>0.94</td></tr><tr><td>16</td><td>12.62</td><td>20</td><td>80</td><td>1.01</td></tr><tr><td>17</td><td>12.49</td><td>20</td><td>85</td><td>1.06</td></tr><tr><td>18</td><td>12.52</td><td>20</td><td>90</td><td>1.13</td></tr><tr><td>19</td><td>12.68</td><td>20</td><td>95</td><td>1.20</td></tr><tr><td>20</td><td>12.50</td><td>20</td><td>100</td><td>1.25</td></tr><tr><td>1</td><td>12.66</td><td>20</td><td>100</td><td>1.27</td></tr><tr><td>2</td><td>12.59</td><td>20</td><td>95</td><td>1.20</td></tr><tr><td>3</td><td>12.48</td><td>20</td><td>90</td><td>1.12</td></tr><tr><td>4</td><td>12.60</td><td>20</td><td>85</td><td>1.07</td></tr><tr><td>5</td><td>12.62</td><td>20</td><td>80</td><td>1.01</td></tr><tr><td>6</td><td>12.48</td><td>20</td><td>75</td><td>0.94</td></tr><tr><td>7</td><td>12.51</td><td>20</td><td>70</td><td>0.88</td></tr><tr><td>8</td><td>12.57</td><td>20</td><td>65</td><td>0.82</td></tr><tr><td>9</td><td>12.46</td><td>20</td><td>60</td><td>0.75</td></tr><tr><td>10</td><td>12.53</td><td>20</td><td>55</td><td>0.69</td></tr><tr><td>11</td><td>12.49</td><td>20</td><td>50</td><td>0.62</td></tr><tr><td>12</td><td>12.47</td><td>20</td><td>45</td><td>0.56</td></tr><tr><td>13</td><td>12.48</td><td>20</td><td>40</td><td>0.50</td></tr><tr><td>14</td><td>12.48</td><td>20</td><td>35</td><td>0.44</td></tr><tr><td>15</td><td>12.44</td><td>20</td><td>30</td><td>0.37</td></tr><tr><td>16</td><td>12.49</td><td>20</td><td>25</td><td>0.31</td></tr><tr><td>17</td><td>12.46</td><td>20</td><td>20</td><td>0.25</td></tr><tr><td>18</td><td>12.47</td><td>20</td><td>15</td><td>0.19</td></tr><tr><td>19</td><td>12.46</td><td>20</td><td>10</td><td>0.12</td></tr><tr><td>20</td><td>12.56</td><td>20</td><td>5</td><td>0.06</td></tr></table> <p>at 40°C 7.0 mPa×s</p>	Measuring point	Viscosity η [mPa s]	Temperature [°C]	Shear rate D [1/s]	Shear stress τ [Pa]	1	12.56	20	5	0.06	2	12.42	20	10	0.12	3	12.44	20	15	0.19	4	12.46	20	20	0.25	5	12.49	20	25	0.31	6	12.47	20	30	0.37	7	12.46	20	35	0.44	8	12.48	20	40	0.50	9	12.50	20	45	0.56	10	12.47	20	50	0.62	11	12.51	20	55	0.69	12	12.50	20	60	0.75	13	12.56	20	65	0.82	14	12.46	20	70	0.87	15	12.57	20	75	0.94	16	12.62	20	80	1.01	17	12.49	20	85	1.06	18	12.52	20	90	1.13	19	12.68	20	95	1.20	20	12.50	20	100	1.25	1	12.66	20	100	1.27	2	12.59	20	95	1.20	3	12.48	20	90	1.12	4	12.60	20	85	1.07	5	12.62	20	80	1.01	6	12.48	20	75	0.94	7	12.51	20	70	0.88	8	12.57	20	65	0.82	9	12.46	20	60	0.75	10	12.53	20	55	0.69	11	12.49	20	50	0.62	12	12.47	20	45	0.56	13	12.48	20	40	0.50	14	12.48	20	35	0.44	15	12.44	20	30	0.37	16	12.49	20	25	0.31	17	12.46	20	20	0.25	18	12.47	20	15	0.19	19	12.46	20	10	0.12	20	12.56	20	5	0.06	Y	KCP 2.5.2/01 Walter, D. (2014d), Study code.: R-33402 / S13-03096	The results are still valid and acceptable.
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			<div>Table 3: Measurement 1, Viscosity at 40 °C</div> <table><tr><th>Measuring point</th><th>Viscosity η [mPa s]</th><th>Temperature [°C]</th><th>Shear rate D [1/s]</th><th>Shear stress τ [Pa]</th></tr><tr><td>1</td><td>6.96</td><td>40</td><td>5</td><td>0.03</td></tr><tr><td>2</td><td>7.03</td><td>40</td><td>10</td><td>0.07</td></tr><tr><td>3</td><td>6.98</td><td>40</td><td>15</td><td>0.10</td></tr><tr><td>4</td><td>7.03</td><td>40</td><td>20</td><td>0.14</td></tr><tr><td>5</td><td>7.03</td><td>40</td><td>25</td><td>0.18</td></tr><tr><td>6</td><td>7.02</td><td>40</td><td>30</td><td>0.21</td></tr><tr><td>7</td><td>7.01</td><td>40</td><td>35</td><td>0.25</td></tr><tr><td>8</td><td>7.04</td><td>40</td><td>40</td><td>0.28</td></tr><tr><td>9</td><td>7.07</td><td>40</td><td>45</td><td>0.32</td></tr><tr><td>10</td><td>7.04</td><td>40</td><td>50</td><td>0.35</td></tr><tr><td>11</td><td>7.09</td><td>40</td><td>55</td><td>0.39</td></tr><tr><td>12</td><td>7.07</td><td>40</td><td>60</td><td>0.42</td></tr><tr><td>13</td><td>7.15</td><td>40</td><td>65</td><td>0.46</td></tr><tr><td>14</td><td>7.05</td><td>40</td><td>70</td><td>0.49</td></tr><tr><td>15</td><td>7.17</td><td>40</td><td>75</td><td>0.54</td></tr><tr><td>16</td><td>7.23</td><td>40</td><td>80</td><td>0.58</td></tr><tr><td>17</td><td>7.10</td><td>40</td><td>85</td><td>0.60</td></tr><tr><td>18</td><td>7.13</td><td>40</td><td>90</td><td>0.64</td></tr><tr><td>19</td><td>7.30</td><td>40</td><td>95</td><td>0.69</td></tr><tr><td>20</td><td>7.11</td><td>40</td><td>100</td><td>0.71</td></tr><tr><td>1</td><td>7.27</td><td>40</td><td>100</td><td>0.73</td></tr><tr><td>2</td><td>7.21</td><td>40</td><td>95</td><td>0.68</td></tr><tr><td>3</td><td>7.08</td><td>40</td><td>90</td><td>0.64</td></tr><tr><td>4</td><td>7.20</td><td>40</td><td>85</td><td>0.61</td></tr><tr><td>5</td><td>7.22</td><td>40</td><td>80</td><td>0.58</td></tr><tr><td>6</td><td>7.07</td><td>40</td><td>75</td><td>0.53</td></tr><tr><td>7</td><td>7.09</td><td>40</td><td>70</td><td>0.50</td></tr><tr><td>8</td><td>7.16</td><td>40</td><td>65</td><td>0.47</td></tr><tr><td>9</td><td>7.03</td><td>40</td><td>60</td><td>0.42</td></tr><tr><td>10</td><td>7.11</td><td>40</td><td>55</td><td>0.39</td></tr><tr><td>11</td><td>7.05</td><td>40</td><td>50</td><td>0.35</td></tr><tr><td>12</td><td>7.02</td><td>40</td><td>45</td><td>0.32</td></tr><tr><td>13</td><td>7.03</td><td>40</td><td>40</td><td>0.28</td></tr><tr><td>14</td><td>7.03</td><td>40</td><td>35</td><td>0.25</td></tr><tr><td>15</td><td>6.97</td><td>40</td><td>30</td><td>0.21</td></tr><tr><td>16</td><td>7.03</td><td>40</td><td>25</td><td>0.18</td></tr><tr><td>17</td><td>6.96</td><td>40</td><td>20</td><td>0.14</td></tr><tr><td>18</td><td>6.95</td><td>40</td><td>15</td><td>0.10</td></tr><tr><td>19</td><td>7.02</td><td>40</td><td>10</td><td>0.07</td></tr><tr><td>20</td><td>6.91</td><td>40</td><td>5</td><td>0.03</td></tr></table>	Measuring point	Viscosity η [mPa s]	Temperature [°C]	Shear rate D [1/s]	Shear stress τ [Pa]	1	6.96	40	5	0.03	2	7.03	40	10	0.07	3	6.98	40	15	0.10	4	7.03	40	20	0.14	5	7.03	40	25	0.18	6	7.02	40	30	0.21	7	7.01	40	35	0.25	8	7.04	40	40	0.28	9	7.07	40	45	0.32	10	7.04	40	50	0.35	11	7.09	40	55	0.39	12	7.07	40	60	0.42	13	7.15	40	65	0.46	14	7.05	40	70	0.49	15	7.17	40	75	0.54	16	7.23	40	80	0.58	17	7.10	40	85	0.60	18	7.13	40	90	0.64	19	7.30	40	95	0.69	20	7.11	40	100	0.71	1	7.27	40	100	0.73	2	7.21	40	95	0.68	3	7.08	40	90	0.64	4	7.20	40	85	0.61	5	7.22	40	80	0.58	6	7.07	40	75	0.53	7	7.09	40	70	0.50	8	7.16	40	65	0.47	9	7.03	40	60	0.42	10	7.11	40	55	0.39	11	7.05	40	50	0.35	12	7.02	40	45	0.32	13	7.03	40	40	0.28	14	7.03	40	35	0.25	15	6.97	40	30	0.21	16	7.03	40	25	0.18	17	6.96	40	20	0.14	18	6.95	40	15	0.10	19	7.02	40	10	0.07	20	6.91	40	5	0.03			
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Surface tension (KCP 2.5.2)	EEC Method A.5., OECD 115	Batch No. 611-280413-01 201 g/L acetamiprid (CoA)	41.7 mN/m at 20.3°C for 1 g/L aqueous solution of acetamiprid The test item has to be regarded as surface active (surface tension < 60 mN/m). Test conducted at 0.5 % v/v with covered the proposed highest in-use spray concentration.	Y	KCP 2.5.3/01 Walter, D. (2014e), Study code.: R-33403 / S13-03097	The results are still valid and acceptable.																																																																																																																																																																																																													
Relative density (KCP 2.6.1)	EEC Method A.3., OECD 109	Batch No. 611-280413-01 201 g/L acetamiprid (CoA)	Relative density RD ²⁰ ₄ : 1.1361	Y	KCP 2.6.1/01 Walter, D. (2014), Study code.: R-33404 / S13-03098	The results are still valid and acceptable.																																																																																																																																																																																																													
Bulk density (KCP 2.6.2)	-	-	Not relevant for liquid formulations	-	-	-																																																																																																																																																																																																													
Storage Stability after 14 days at 54° C (KCP 2.7.1)	-	-	See KCP 2.7.2	-	-	Please refer to the point 2.7.2.																																																																																																																																																																																																													

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments																				
Stability after storage for other periods and/or temperatures (KCP 2.7.2)	CIPAC MT 46 / GIFAP Monograph 17 Visual, HPLC/UV, CIPAC MT 47.2, CIPAC MT 41	Batch No. 611-280413-01 201 g/L acetamiprid (CoA)	<p>Storage for 56 days (8 weeks) at 40°C±2°C</p> <p><u>Before storage:</u> Content a.s.: 18.0 ± 0.22% (w/w) acetamiprid, (mean out of 5 samples, duplicate assay); a reference to the analytical method S13-03099 is made.</p> <p>pH of an 1% aqueous suspension: 6.35 Persistent foaming:</p> <table><tr><td>Time</td><td>Foam [mL]</td></tr><tr><td>10 s</td><td>27</td></tr><tr><td>1 min</td><td>21</td></tr><tr><td>3 min</td><td>21</td></tr><tr><td>12 min</td><td>20</td></tr></table> <p>Container weight: 1189.551 g Dilution stability: No phase separation, no separated material</p> <p><u>After storage:</u> Content a.s.: 17.5 ±0 % (w/w) acetamiprid (mean out of 3 samples, duplicate assay); a reference to the analytical method S13-03099 is made.</p> <p>pH of an 1% aqueous suspension: 7.36 Persistent foaming:</p> <table><tr><td>Time</td><td>Foam [mL]</td></tr><tr><td>10 s</td><td>28</td></tr><tr><td>1 min</td><td>27</td></tr><tr><td>3 min</td><td>25</td></tr><tr><td>12 min</td><td>23</td></tr></table> <p>Container weight: 1189.304 g (equivalent to a loss of -0.02%) Dilution stability: No phase separation, no separated material</p> <p>No relevant changes in the appearance were observed when stored in its commercial container (screw capped 1L HDPE/EVOH bottle)</p> <p><u>Conclusion:</u> No significant changes observed, the formulation is stable for at least 8 weeks/56 days at 40°C</p>	Time	Foam [mL]	10 s	27	1 min	21	3 min	21	12 min	20	Time	Foam [mL]	10 s	28	1 min	27	3 min	25	12 min	23	Y	KCP 2.7.2/01 Walter, D. (2014a), Study code.: R-33406 / S13-03100	<p>The results are still valid and acceptable.</p> <p>Changing the content of the active substance is within an acceptable limit. Product was stable during the 56 days of storage at 40°C in HDPE/EVOH packaging. No toxicologically, ecotoxicologically or environmentally relevant impurities are formed upon storage, evaluation of this parameter after storage is not necessary.</p> <p>The formulation is expected to be stable for at least 2 years at ambient conditions, based on the accelerated storage study results.</p>
Time	Foam [mL]																									
10 s	27																									
1 min	21																									
3 min	21																									
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10 s	28																									
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Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments																				
Minimum content after heat stability testing (KCP 2.7.3)	-	-	Not required, since the preparation is not heat sensitive (see data point KCP 2.7.1)	-	-	-																				
Effect of low temperatures on stability (KCP 2.7.4)	CIPAC MT 39.3	Batch No. 2331-250214-01 203 g/L acetamiprid	Before and after storage the test item was a homogeneous orange-brown liquid. Some crystals were adhering to the surface of the glass tube at the end of the storage period. 0.5 to 1 mL separated crystals were observed after standing 24 h at 23 °C and were not solved after inversion. The product is not stabile at temperatures below 0° C.	Y	KCP 2.7.4/01 Deierling, T. & Herrmann, S. (2014), Study code.: R-34771 / 91841204	The results are still valid and acceptable. The product should not be stored below 0 °C.																				
Ambient temperature shelf life (KCP 2.7.5)	HPLC/UV, CIPAC MT 47.2 CIPAC MT 41, CIPAC MT 75.3 Visual (1L HDPE bottle) The content of acetamiprid in MCW-2222 was determined before and after storage by a HPLC/UV method validated according to SANCO/3030/99 rev. 4. The analytical method for the determination of acetamiprid is described in study S13-03099.	Batch No: 611-280413-01 201 g/L acetamiprid (CoA)	<u>Before storage:</u> Content a.s.: 18.0 ± 0.22% (w/w) acetamiprid, (mean out of 5 samples, duplicate assay); a reference to the analytical method S13-03099 is made. pH of a 1% aq.suspension : 6.35 Persistent foaming: <table><tr><td>Time</td><td>Foam [mL]</td></tr><tr><td>10 s</td><td>27</td></tr><tr><td>1 min</td><td>21</td></tr><tr><td>3 min</td><td>21</td></tr><tr><td>12 min</td><td>20</td></tr></table> Dilution stability: No phase separation, no separated material <u>After storage for 24 months at 20 °C ± 2 °C:</u> Content a.s.: 17.6 ± 0.05% (w/w) acetamiprid (equivalent to a loss of -2.22% based on nominal a.s.content); a reference to the analytical method S13-03099 is made. pH of an 1% aq. suspension: 6.37 Persistent foaming: <table><tr><td>Time</td><td>Foam [mL]</td></tr><tr><td>10 s</td><td>26</td></tr><tr><td>1 min</td><td>24</td></tr><tr><td>3 min</td><td>22</td></tr><tr><td>12 min</td><td>20</td></tr></table> The container weight change was not significant (losses between - 0.02% and -0.03% were recorded)	Time	Foam [mL]	10 s	27	1 min	21	3 min	21	12 min	20	Time	Foam [mL]	10 s	26	1 min	24	3 min	22	12 min	20	Y	KCP 2.7.5/01 Walter, D. (2015), Study code: R-33408 / S13-03102 (final report)	The results are still valid and acceptable. The product showed no significant physical changes after ambient storage and all performance properties were within acceptable limits during storage. No toxicologically, ecotoxicologically or environmentally relevant impurities are formed upon storage, evaluation of this parameter after storage is not necessary. All packaging proposed in the point 4.1 are appropriate to the transport and storage of the product. Validity period - 2 years at HDPE containers.
Time	Foam [mL]																									
10 s	27																									
1 min	21																									
3 min	21																									
12 min	20																									
Time	Foam [mL]																									
10 s	26																									
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3 min	22																									
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Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments																				
			Dilution stability: No phase separation, no separated material No relevant changes in the appearance were observed. Conclusion: The formulation is stable in IL HDPE screw capped bottles) for at least 24 months at 20 °C ± 2 °C, no significant changes have been observed..																							
Shelf life in months (if less than 2 years) (KCP 2.7.6)	-	-	Not required since 2 year storage data are available	-	-	The results are still valid and acceptable.																				
Wettability (KCP 2.8.1)	-	-	Not required, since CA3573 is not a solid product	-	-	The results are still valid and acceptable.																				
Persistence of foaming (KCP 2.8.2)	CIPAC MT 47.2	-	<div>The concentration at which persistent foaming was tested is 0.5 % v/v, which is above the maximum in use concentration.</div> <table><tr><td><u>Standing time</u></td><td><u>Foam [mL] 20° C</u></td></tr><tr><td>10 seconds</td><td>27</td></tr><tr><td>1 minute</td><td>21</td></tr><tr><td>3 minutes</td><td>21</td></tr><tr><td>12 minutes</td><td>20</td></tr></table> <div>After storage for 24 months at 20°C:</div> <table><tr><td><u>Time</u></td><td><u>Foam [mL]</u></td></tr><tr><td>10 s</td><td>26</td></tr><tr><td>1 min</td><td>24</td></tr><tr><td>3 min</td><td>22</td></tr><tr><td>12 min</td><td>20</td></tr></table> <div>No significant difference after accelerated storage or 24 months storage</div> <div>(please refer to point KCP 2.7.2 and KCP 2.7.5)</div>	<u>Standing time</u>	<u>Foam [mL] 20° C</u>	10 seconds	27	1 minute	21	3 minutes	21	12 minutes	20	<u>Time</u>	<u>Foam [mL]</u>	10 s	26	1 min	24	3 min	22	12 min	20	Y	KCP 2.8.2/01 Walter, D. (2014a), Study code: R-33406 / S13-03100 KCP 2.8.2/02 Walter, D. (2015), Study code: R-33408 / S13-03102 (final report)	The results are still valid and acceptable.
<u>Standing time</u>	<u>Foam [mL] 20° C</u>																									
10 seconds	27																									
1 minute	21																									
3 minutes	21																									
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<u>Time</u>	<u>Foam [mL]</u>																									
10 s	26																									
1 min	24																									
3 min	22																									
12 min	20																									
Suspensibility (KCP 2.8.3.1)	-	-	Not required, since CA3573 is not a solid product	-	-	-																				
Spontaneity of dispersion (KCP 2.8.3.2)	-	-	Not required, since CA3573 is not a solid product	-	-	-																				
Dispersion stability (KCP 2.8.3.3)	-	-	Not required for liquid formulations	-	-	-																				

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Degree of dissolution and dilution stability (KCP 2.8.4)	CIPAC MT 41	Batch No: 611-280413-01 201 g/L acetamiprid (CoA)	Samples were poured out an 45µm sieve, followed by rinsing with 50 mL water Minimum application rate: 2 g a.s./100 L water (0.02 g/L) No phase separation, no separated material was observed. Maximum application rate: 100 g a.s./100 L water (1 g/L) No phase separation, no separated material was observed.	Y	KCP 2.8.4/01 Walter, D. (2014a), Study code: R-33406 / S13-03100	The results are still valid and acceptable.
	CIPAC MT 41	Batch No: 611-280413-01 201 g/L acetamiprid (CoA)	Minimum application rate: 0.011 g test item/100 mL water D (corresponding to 0.11 g test item/L or 0.0022 g a.s./L) No phase separation, no separated material was observed. Maximum application rate: 0.568 g test item/100 mL water D (corresponding to 5.68 g test item/L or 1.14 g a.s./L) No phase separation, no separated material was observed.	Y	KCP 2.8.4/02 Walter, D. (2015), Study code: R-33408 / S13-03102 (final report)	The results are still valid and acceptable.
Particle size distribution / nominal size range of granules (KCP 2.8.5.1.1)	-	-	Not required for liquid formulations	-	-	-
Wet sieve test (KCP 2.8.5.1.2)	-	-	Not required for liquid formulations	-	-	-
Dust content (KCP 2.8.5.2.1)	-	-	Not required for liquid formulations	-	-	-
Particle size of dust (KCP 2.8.5.2.2)	-	-	Not required for liquid formulations	-	-	-
Attrition (KCP 2.8.5.3)	-	-	Not required for liquid formulations	-	-	-
Hardness and integrity (KCP 2.8.5.4)	-	-	Not required for liquid formulations	-	-	-
Emulsifiability (KCP 2.8.6.1)	-	-	Not required for SL formulations, since no emulsion is formed	-	-	-
Emulsion stability	-	-	Not required for SL formulations, since no emulsion is formed	-	-	-

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
(KCP 2.8.6.2)						
Re-emulsifiability (KCP 2.8.6.3)	-	-	Not required for SL formulations, since no emulsion is formed	-	-	-
Flowability (KCP 2.8.7.1)	-	-	Not required for liquid formulations	-	-	-
Pourability (KCP 2.8.7.2)	-	-	Not required for SL formulations	-	-	-
Dustability following accelerated storage (KCP 2.8.7.3)	-	-	Not required for SL formulations	-	-	-
Physical compatibility of tank mixes (KCP 2.9.1)	-	-	Not required, since CA3573 is not intended for uses in mixtures.	-	-	-
Chemical compatibility of tank mixes (KCP 2.9.2)	-	-	Not required, since CA3573 is not intended for uses in mixtures.	-	-	-
Adhesion to seeds (KCP 2.10.1)	-	-	Not required since CA3573 is not intended for uses in seed treatment.	-	-	-
Distribution to seed (KCP 2.10.2)	-	-	Not required since CA3573 is not intended for uses in seed treatment.	-	-	-
Other/special studies (KCP 2.11)	-	-	-	-	-	-

3 Section 3 is presented as a separate document

Please refer to the separate file “dRR Part B3”.

4 Section 4: Further information on the plant protection product

4.1 Packaging and Compatibility with the Preparation (KCP 4.4/01-4.4/23)

Table 4.1-1: Packaging information for 100 mL bottle I

Type	Description
Material:	White HDPE*
Shape/size:	cylindrical / 114±1.0 x 44 Ø
Opening:	20.5±0.5 mm
Closure:	Screw cap
Seal:	-
Manner of construction	-
UN/ADR	-

Table 4.1-2: Packaging information for 100 mL bottle II

Type	Description
Material:	White HDPE*
Shape/size:	cylindrical / 114±1.0 x 44 Ø
Opening:	20.5±0.5 mm
Closure:	Screw cap
Seal:	-
Manner of construction	-
UN/ADR	1H1/Y1,6/250/-

Table 4.1-3: Packaging information for 100 mL bottle III

Type	Description
Material:	HDPE* Hostalen ACP5831D
Shape/size:	cylindrical / 88±0.5 x 45 Ø
Opening:	34.5±0.2 mm
Closure:	Screw cap
Seal:	-
Manner of construction	-
UN/ADR	1H1/Y1,6/250/-

Table 4.1-4: Packaging information for 125 mL bottle I

Type	Description
Material:	HDPE*
Shape/size:	cylindrical / 86 x 45.7 mm Ø
Opening:	30.8 mm
Closure:	Screw cap
Seal:	-
Manner of construction	-
UN/ADR	-

Table 4.1-5: Packaging information for 125 mL bottle II

Type	Description
Material:	HDPE* Hostalen ACP5831D
Shape/size:	cylindrical / 88±0.5 x 50.3±0.5 mm Ø
Opening:	30.5±0.5 mm
Closure:	Screw cap
Seal:	-
Manner of construction	-
UN/ADR	-

Table 4.1-6: Packaging information for 150 mL bottle

Type	Description
Material:	HDPE* Hostalen ACP5831D
Shape/size:	cylindrical / 101±1 x 56±1 mm Ø
Opening:	30.5±0.2 mm
Closure:	Screw cap “child proof”
Seal:	-
Manner of construction	Extruded
UN/ADR	-

Table 4.1-7: Packaging information for 250 mL bottle I

Type	Description
Material:	White HDPE*
Shape/size:	cylindrical / 131±1.0 x 62.5 Ø
Opening:	42.2 Ø +0.2 / -2 mm
Closure:	Screw cap
Seal:	-
Manner of construction	-
UN/ADR	-

Table 4.1-8: Packaging information for 250 mL bottle II

Type	Description
Material:	HDPE*
Shape/size:	cylindrical / 127.5 x 62.5 Ø
Opening:	42.2 mm
Closure:	Screw cap
Seal:	-
Manner of construction	-
UN/ADR	-

Table 4.1-9: Packaging information for 500 mL bottle I

Type	Description
Material:	White HDPE*
Shape/size:	cylindrical / 186±1.5 x 69 Ø
Opening:	42.2 Ø +0.2 / -2 mm

Type	Description
Closure:	Screw cap
Seal:	-
Manner of construction	-
UN/ADR	-

Table 4.1-10: Packaging information for 600 mL bottle II

Type	Description
Material:	HDPE*
Shape/size:	cylindrical / 180 x 73.5 Ø
Opening:	42 mm
Closure:	Screw cap
Seal:	-
Manner of construction	-
UN/ADR	-

Table 4.1-11: Packaging information for 1 L bottle

Type	Description
Material:	White HDPE*
Shape/size:	cylindrical / 234±1.5 x 88.5 Ø
Opening:	42.2 Ø +0.2 / -2 mm
Closure:	Screw cap
Seal:	-
Manner of construction	-
UN/ADR	-

Table 4.1-12: Packaging information for 5 L container

Type	Description
Material:	White HDPE*
Shape/size:	rectangular / 298 x 193 x 142 mm
Opening:	52.5 +/- 0.4 Ø
Closure:	Screw cap
Seal:	-
Manner of construction	-
UN/ADR	-

Table 4.1-13: Packaging information for 10 L container

Type	Description
Material:	White HDPE*
Shape/size:	rectangular / 374 x 240 x 179 mm
Opening:	52.5 +/- 0.4 Ø
Closure:	Screw cap
Seal:	-
Manner of construction	-
UN/ADR	-

Table 4.1-14: Packaging information for 20 L jerrican

Type	Description
Material:	White HDPE* 51090
Shape/size:	rectangular / 293 x 245 x 400 mm
Opening:	60.5 mm Ø
Closure:	PET screw cap
Seal:	Tamper evident
Manner of construction	-
UN/ADR	Compliant

Table 4.1-15: Packaging information for 220 L drum

Type	Description
Material:	HDPE*
Shape/size:	Cylindrical / 935 mm x 584 mm Ø
Opening:	584 mm Ø
Closure:	Tight-head closure BCS 56 x 4 / BCS 70 x 6
Seal:	-
Manner of construction	-
UN/ADR	Compliant, UN 1H1/X1.3/250/B/AST-060173

Table 4.1-16: Packaging information for 640 L container

Type	Description
Material:	HDPE*
Shape/size:	Rectangular / 1200 x 800 x 1000 mm
Opening:	150 mm Ø
Closure:	Screwed butterfly-valve DN50 with red handle
Seal:	PE-lined Alu-film
Manner of construction	Blow molded
UN/ADR	Compliant, UN 31 HA1 / BAM0382

Table 4.1-17: Packaging information for 1000 L container

Type	Description
Material:	HDPE*
Shape/size:	Rectangular: 1165 ± 5 mm height, 1200 x 1000 mm ± 5 mm base
Opening:	150 mm Ø
Closure:	Screwed butterfly-valve DN150
Seal:	Natural expanded rubber lid
Manner of construction	Blow molded
UN/ADR	Compliant

*HDPE: high density polyethylene

4.2 Procedures for Cleaning Application Equipment

4.2.1 Procedures for cleaning application equipment and protective clothing

The following standard procedures for cleaning of the application equipment according to Good Agricultural Practice are recommended after the use of CA3573:

All application equipment and contaminated clothing should be thoroughly washed/cleaned with water diluted detergent solution, and rinsed with clean water three times. After each step of washing the drain sprayer, spray out completely. Ensure that all liquid is removed from the sprayer tank, pump and hoses. Remove nozzles, open tank and drain pump to allow free access of air to all parts of the system.

Care should be taken not to rinse contaminated washings from application equipment into waste water channels. Contaminated cleaning liquids should be disposed of safely according to local regulations.

Operators should read the sprayer manufacturer's instructions before beginning to wash out sprayers.

4.2.2 Effectiveness of the cleaning procedures

No specific study has been conducted for the product CA3573 to investigate the effectiveness of the cleaning procedure described above. Such investigations are not considered to be required, since in view of the insecticidal nature of CA3573, any adverse effects on non-target crops do not need to be expected and according to PSD Efficacy Guideline 302 active substances with a high solubility in water need no testing for the cleaning procedure. Nevertheless, the efficacy of cleaning the application equipment with regard to impacts on crops can be estimated on the basis of the PSD Efficacy Guideline 302 (December 2001). As worst case, the following prerequisites were considered:

Maximum rate per application:	0.3 L/ha CA3573, 60 g acetamiprid/ha or 0.6 g acetamiprid /L water (OSR)
Min Spray volumes:	100 L/ha
Spray volume used for the assessment of effectiveness:	100 L/ha (lowest spray volume corresponding to the maximum concentration of CA3573 in diluted spray)
Tank volume:	2000 L (as mentioned in the PSD guideline 302 20 L remain in a 2000 L sprayer)
Volume remaining in spray lines and pump after spraying:	20 L

Based on these prerequisites and in consideration of 3 rinses each with 200 L of water based on good agricultural cleaning procedures described above, residues remaining in the tank after spraying will be diluted to the following levels:

<u>Cleaning step</u>	<u>Water volume</u> <u>[L]</u>	<u>Concentration of residues</u>	
		<u>Product</u> <u>[mL/L of water]</u>	<u>Active ingredient</u> <u>[mg a.s./L of water]</u>
Tank filling (0.3 L CA3573 per 200 L water) Residues after spraying:	2000 20	3.0	600 acetamiprid
1 st step: 1/10 dilution of residual spray volume: Residues after spraying:	200 20	0.3	60 acetamiprid
2 nd step: 1/10 dilution of tank volume added: Residues after spraying:	200 20	0.03	6 acetamiprid
3 rd step: 1/10 dilution of tank volume added: Residues after spraying:	200 20	0.003	0.6 acetamiprid
Addition of fresh spray solution (1/100 dilution): Residues in the tank filling:	2000	3 x 10 ⁻⁵	6 x 10 ⁻³ acetamiprid

a.s. = active substance

Based on the calculation above, residues remaining in the spraying equipment after the last of three cleaning steps were estimated to be 3 µL CA3573/L of water (600 µg a.s./L water) corresponding to a total of 0.06 mL CA3573 and 12 mg a.s. (in 20 L water remaining in spray lines and pump), which in turn results in residue concentrations of 30 nL CA3573/L of water (6 µg a.s./L) after refilling the tank with 2000 L of water for another spraying operation. No NOEC or EC₁₀ is available for the active substance acetamiprid, but an EC₂₅ of 17.9 g a.s./ha (see in the table below of the PMRA). Since 12 mg a.s. remain in the tank, even if the hole volume is sprayed on one ha, a sufficient margin of safety is given.

Test species / design	Endpoint	Reference
Seedling emergence	The most sensitive monocot species was onion, with an EC ₂₅ of 257.8 g a.s./ha, and the most sensitive dicot species was cucumber, with an EC ₂₅ of 179.3 g a.s./ha.	PMRA 2002, Table 5
Vegetative vigour	The most sensitive monocot species was perennial ryegrass, with an EC ₂₅ of 515.6 g a.s./ha, and the most sensitive dicot species was lettuce, with an EC ₂₅ of 17.9 g a.s./ha.	PMRA 2002, Table 5

Evaluator comment: IIIA 4.2	-
Agreed endpoint: IIIA 4.2	Proposed procedures for cleaning application equipment is sufficient.

Reference list

EFSA, 2016: EFSA Journal 2016;14(11):4610, 91 pp. doi:10.2903/j.efsa.2016.4610; Peer review of active substance Acetamiprid
European Commission, SANTE/10502/2017 Rev 4 13 December 2017; Final Renewal report for the active substance acetamiprid
The Netherlands, 2015: Re Assessment Report (RAR) of active substance, November 2015
The Netherlands, 2016: Addendum of the Re-Assessment Report (Addendum of the RAR), June 2016, August 2016.

Appendix 1 Lists of data considered in support of the evaluation

List of data submitted by the applicant and relied on

Please note: The product was formerly named MCW-2222, which represents the same formulation assigned the new company code CA3573

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
KCP 2.1/01	Walter, D.	2014a	Physical and chemical properties of MCW-2222 before and after Accelerated Storage at 40° C for 8 Weeks Report No.: R-33406 / S13-03100 Eurofins Agroscience Services , EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP 2.1/02	Walter, D.	2015	Physical and chemical properties of MCW-2222 over 2 years at 20°C Report No.: R-33408 / S13-03102 Eurofins Agroscience Services, EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP 2.2.1/01	Krack, M.	2013a	MCW-2222, Explosive Properties A.14. Report No.: R-33398 / 20130274.01 SIEMENS, Prozess-Sicherheit, Germany GLP Unpublished	N	ADM
KCP 2.2.2/01	Walter, D.	2014b	Statement about Oxidizing Properties of MCW-2222 Report No.: R-33400 / S13-03094 Eurofins Agroscience Services, EcoChem GmbH, Germany Non GLP Unpublished Study contains confidential information – filed as confidential K-Document in Part C	N	ADM
KCP 2.3.1/01	Walter, D.	2014c	Flash Point of MCW-2222 Report No.: R-33401 / S13-03095 Eurofins Agroscience Services, EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP 2.3.3/01	Krack, M.	2013b	MCW-2222, Auto-Ignition Temperature (Liquids and Gases) A.15. Report No.: R-33399 / 20130274.02	N	ADM

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
			SIEMENS, Prozess-Sicherheit, Germany GLP Unpublished		
KCP 2.4.1/01	Walter, D.	2015	Physical and chemical properties of MCW-2222 over 2 years at 20°C Report No.: R-33408 / S13-03102 Eurofins Agroscience Services, EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP 2.4.2/01	Walter, D.	2014a	Physical and chemical properties of MCW-2222 before and after Accelerated Storage at 40° C for 8 Weeks Report No.: R-33406 / S13-03100 Eurofins Agroscience Services , EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP 2.4.2/02	Walter, D.	2015	Physical and chemical properties of MCW-2222 over 2 years at 20°C Report No.: R-33408 / S13-03102 Eurofins Agroscience Services, EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP 2.5.2/01	Walter, D.	2014d	Viscosity of MCW Report No.: R-33402 / S13-03096 Eurofins Agroscience Services, EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP 2.5.3/01	Walter, D.	2014e	Surface tension of MCW-2222 Report No.: R-33403 / S13-03097 Eurofins Agroscience Services, EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP 2.6.1/01	Walter, D.	2014f	Relative Density of MCW-2222 Report No.: R-33404 / S13-03098 Eurofins Agroscience Services, EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP	Walter, D.	2014a	Physical and chemical properties of MCW-2222 before and after Accelerated Storage at 40° C for 8 Weeks	N	ADM

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
2.7.2/01			Report No.: R-33406 / S13-03100 Eurofins Agroscience Services , EcoChem GmbH, Germany GLP Unpublished		
KCP 2.7.4/01	Deierling, T. & Herrmann, S.	2014	Determination of the Low Temperature Stability of MCW-2222 Report No.: R-34771 / 91841204 IBACON GmbH, Germany GLP Unpublished	N	ADM
KCP 2.7.5/01	Walter, D.	2015	Physical and chemical properties of MCW-2222 over 2 years at 20°C Report No.: R-33408 / S13-03102 Eurofins Agroscience Services, EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP 2.8.2/01	Walter, D.	2014a	Physical and chemical properties of MCW-2222 before and after Accelerated Storage at 40° C for 8 Weeks Report No.: R-33406 / S13-03100 Eurofins Agroscience Services , EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP 2.8.2/02	Walter, D.	2015	Physical and chemical properties of MCW-2222 over 2 years at 20°C Report No.: R-33408 / S13-03102 Eurofins Agroscience Services, EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP 2.8.4/01	Walter, D.	2014a	Physical and chemical properties of MCW-2222 before and after Accelerated Storage at 40° C for 8 Weeks Report No.: R-33406 / S13-03100 Eurofins Agroscience Services , EcoChem GmbH, Germany GLP Unpublished	N	ADM
KCP 2.8.4/02	Walter, D.	2015	Physical and chemical properties of MCW-2222 over 2 years at 20°C Report No.: R-33408 / S13-03102 Eurofins Agroscience Services, EcoChem GmbH, Germany GLP Unpublished	N	ADM

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
KCP 12	Anonymous	2020	Carnadine 200 SL: Safety Data Sheet Pl-en Version 1.2 Non-GLP Published	N	-
KCP 4.4/01	Anonymous	2014	Packing Material Specification Bottle, PE, 100 mL Non-GLP Published	N	-
KCP 4.4/02	Anonymous	2011	Packing Material Specification Bottle, HDPE, 100 mL Non-GLP Published	N	-
KCP 4.4/03	Anonymous	2017	Packing Material Specification Bottle, HDPE, 125 mL Non-GLP Published	N	-
KCP 4.4/04	Anonymous	2011	Packing Material Specification Bottle, HDPE, 125 mL Non-GLP Published	N	-
KCP 4.4/05	Anonymous	2018	Packing Material Specification Bottle, HDPE, 150 mL Non-GLP Published	N	-
KCP 4.4/06	Anonymous	2009	Technical Drawing Bottle, HDPE, 250 mL Non-GLP Published	N	-
KCP 4.4/07	Anonymous	2015	Technical Drawing Bottle, HDPE, 250 mL Non-GLP Published	N	-
KCP	Anonymous	2009	Technical Drawing	N	-

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
4.4/08			Bottle, HDPE, 500 mL Non-GLP Published		
KCP 4.4/09	Anonymous	2013	Technical Drawing Bottle, HDPE, 600 mL Non-GLP Published	N	-
KCP 4.4/10	Anonymous	2018	Technical Drawing Bottle, HDPE, 1000 mL Non-GLP Published	N	-
KCP 4.4/11	Anonymous	2018	Technical Drawing Canister, HDPE, 5 L Non-GLP Published	N	-
KCP 4.4/12	Anonymous	2018	Technical Drawing Canister, HDPE, 10 L Non-GLP Published	N	-
KCP 4.4/13	Anonymous	2012	Technical Specification of Screw Closure Z38/B 35/45 mm Non-GLP Published	N	-
KCP 4.4/14	Anonymous	2008	Technical Specification of Screw Closure Z18/PZ 20.9/18.2 mm Non-GLP Published	N	-
KCP 4.4/15	Anonymous	2011	Technical Drawing of Screw Closure Z38/B Non-GLP Published	N	-
KCP 4.4/16	Anonymous	-	Technical Drawing of Screw Closure K50 Non-GLP Published	N	-
KCP 4.4/17	Anonymous	2008- 2018	Certificat d'agrement de type d'emballage Non-GLP	N	-

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
			Published		
KCP 4.4/18	Anonymous	2013	Technical Drawing Canister, HDPE, 20 L Non-GLP Published	N	-
KCP 4.4/19	Anonymous	2020	Artikelspezifikation (Packing Material Specification) Canister, HDPE, 20 L Non-GLP Published	N	-
KCP 4.4/20	Spies, S.	2007	Technisches Datenblatt (Packing Material Specification) Drum, 220 L Non-GLP Published	N	-
KCP 4.4/21	Anonymous	2009	Packaging Specification Canister 640 L Non-GLP Published	N	-
KCP 4.4/22	Anonymous	-	Technical data sheet Canister, 1000 L Non-GLP Published	N	-
KCP 4.4/23	Anonymous	2012	Packaging Specification Canister 1000 L Non-GLP Published	N	-

List of data submitted or referred to by the applicant and relied on, but already evaluated at EU peer review

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
-	-	-	-	-	-

List of data submitted by the applicant and not relied on

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
-	-	-	-	-	-

List of data relied on and not submitted by the applicant but necessary for evaluation

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
-	-	-	-	-	-

Appendix 2 Additional data on the physical, chemical and technical properties of the active substance

A 2.1 Active substance Acetamiprid

There are no new data on the active substance acetamiprid.