

# FINAL 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: FEL02

Product name: Cuprofix C/Cuprofix C Disperss

Chemical active substances:

Copper, 200 g/kg

Cymoxanil, 40 g/kg

Central Zone

Zonal Rapporteur Member State: Poland

## CORE ASSESSMENT

(Art. 33 new authorization)

Applicant: UPL Holdings Coöperatief U.A.

Submission date: March 2023

MS Finalisation date: November 2023, April 2024

## Version history

When	What
March 2023	Part B-Section 1,2 & 4 -Core assessment, Version 01 of applicant
November 2023	zRMS assessment of dRR
April 2024	The final version of the RR after the commenting period

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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 substances.

**Noticed data gaps:**

- none

## **1 Section 1: Identity of the plant protection product**

### **1.1 Applicant (KCP 1.1)**

Name: **UPL Holdings Coöperatief U.A.**  
Address: Claudius Prinsenlaan 144a, Block A  
4818 CP, Breda  
The Netherlands  
info.uk@upl-ltd.com

Contact person:

#### Approval holder

Name: **UPL Holdings Coöperatief U.A.**  
Address: Claudius Prinsenlaan 144a, Block A  
4818 CP, Breda  
The Netherlands

### **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, data are provided separately (Part C).

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

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

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

FEL02 contains two active substances, Copper (as Bordeaux Mixture) and Cymoxanil.

##### **1.2.3.1 Copper (Bordeaux Mixture)**

Copper (as Bordeaux Mixture)

Min. 245 g/kg (Regulation (EU) No 2018/1981)

#### **Relevant impurities:**

Impurity	Max. content Regulation 2018/1981	Max. content in the formulation	Remark
Lead	Max. 0.0003 g/g Cu	0.060 g/kg	Based on max. content in copper
Cadmium	Max. 0.0001 g/g Cu	0.020 g/kg	Based on max. content in copper

Arsenic	Max. 0.0001 g/g Cu	0.020 g/kg	Based on max. content in copper
Nickel	Max. 0.0010 g/g Cu	0.200 g/kg	Based on max. content in copper
Cobalt	Max. 0.003 g/kg technical	0.002 g/kg	Based on max. content of Bordeaux Mixture
Mercury	Max. 0.005 g/kg technical	0.004 g/kg	Based on max. content of Bordeaux Mixture
Chromium	Max. 0.100 g/kg technical	0.078 g/kg	Based on max. content of Bordeaux Mixture
Antimony	Max. 0.007 g/kg technical	0.005 g/kg	Based on max. content of Bordeaux Mixture

Details of significant impurities are provided in Part C

### 1.2.3.2 Cymoxanil

Cymoxanil Min. 970 g/kg (Regulation (EU) No 540/2011)

#### Relevant impurities:

No relevant impurities are outlined in the Regulation (EU) 540/2011.

Details of significant impurities are provided in Part C

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

Product name(s): Copper / Cymoxanil 200 / 40 g/kg WG  
Trade name: CUPROFIX C DISPERSS or CUPROFIX C  
Company code number: FEL02

## 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)

The concentrations of the active substances are listed in the table below:

**Table 1.4.1-1 Active substances**

Active substance	Declared content of the pure active substance [g/kg]	FAO Limits (min. – max.)	Technical content* [g/kg]	Technical content [% w/w]
Copper (as Bordeaux mixture)	200 g/kg	188 – 212 g/kg	778 g/kg	77.8
Cymoxanil	40 g/kg	36 – 44 g/kg	41 g/kg	4.1

\* Based on the minimum purity of the active substance declared for registration in the active substance dossiers

The formulation does not contain any safener or synergist. The information on co-formulants is confidential and is presented separately in Part C of the dossier.

## **1.4.2 Information on the active substances (KCP 1.4.2)**

**Table 1.4.2-1 Information on Copper (Bordeaux mixture)**

Type	Name/Code Number
ISO common name	Copper (present as Bordeaux Mixture)
CAS No.	8011-63-0
EC No.	Not available
CIPAC No.	44.604

**Table 1.4.2-2 Information on Cymoxanil**

Type	Name/Code Number
ISO common name	Cymoxanil
CAS No.	57966-95-7
EC No.	261-043-0
CIPAC No.	419

## **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: Water dispersible granule [Code: WG]

## **1.6 Function (KCP 1.6)**

Fungicide

## 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 appearance of the product is that of greyish green, free flowing micro granules. It is not explosive and has no oxidising properties. The product is not flammable. It has a self-ignition temperature of 206°C. In aqueous solution, it has a pH value around 7.1 at 20°C. There is no effect of high temperature on the stability of the formulation, since after 14 days at 54°C, neither the active ingredient contents nor the technical properties were significantly changed. The product is found to be chemically and physically stable for at least 3 years after storage at ambient conditions in unopened commercial packaging (1-kg paper/PE bag). Its technical characteristics are acceptable for a water dispersible granule type formulation.

The intended concentration of use is 0.3% to 3.0% w/v.

No tank mixes are recommended on the label.

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

Classification according to CLP (Regulation (EC) No 1272/2008)
<b>Pictograms</b>
None
<b>Signal word</b>
None
<b>Hazard class and hazard category</b>
None

### Notifier Proposals for Hazard and Precautionary statements (KCP 12)

No risk and safety phrases with respect to the physical/chemical properties of FEL02 are required.

### Compliance with FAO specifications

There is FAO Specification 419/WG (March 2006) for cymoxanil in the form of water dispersible granules. There is FAO Specification for copper (as Bordeaux Mixture). The product FEL02 complies with FAO specifications.

	Cymoxanil FAO Specification 419/WG (March 2006)	Specification for CUPRO-FIX C	Results for CUPROFIX C
<b>Description</b>	The product shall be dry, free flowing, nearly dust-free and free from visible extraneous matter, hard lumps.	The product shall be dry, free flowing, nearly dust-free and free from visible extraneous matter, hard lumps.	Free flowing uniform spherical granules approximately 1 mm in diameter
<b>a.s. content</b>	250 – 500 g/kg: ± 5 % of the declared content > 500 g/kg: ± 25 g/kg		Initial cymoxanil content: 309.9 g/kg (difference 3.3%)
<b>Wettability (MT 53.3.1)</b>	The formulation shall be completely wetted in 10 seconds, without swirling	<10 sec.	Initial: 0 sec After storage: 1 sec.
<b>Wet sieve test (MT 185)</b>	Maximum: 2% retained on a 75µm test sieve	Maximum: 2% on a 75 µm test sieve	Initial: 0% After storage: 0%
<b>Degree of dispersion (MT 174)</b>	min. 75%	min. 75% for cymoxanil	Initial: cymoxanil: 83% After storage: cymoxanil: 85%
<b>Suspensibility (MT 184)</b>	minimum of 70% of the cymoxanil shall be in suspension	minimum of 70% of the cymoxanil shall be in suspension	Initial: conc. 0.3%: 101%

	<b>Cymoxanil FAO Specification 419/WG (March 2006)</b>	<b>Specification for CUPROFIX C</b>	<b>Results for CUPROFIX C</b>
	after 30 minutes in CIPAC standard water D at $30 \pm 2^\circ\text{C}$ .	after 30 minutes in CIPAC standard water D at $30 \pm 2^\circ\text{C}$ .	conc. 3%: 79% After storage: conc. 0.3%: 101% conc. 3%: 80%
<b>Persistent foam (MT 47.2)</b>	Maximum 60 ml after 1 min.	Maximum 60 ml after 1 min.	0 ml
<b>Dustiness (MT 171)</b>	Nearly dust-free (0 - 12 mg of dust)	0 - 12 mg of dust	Initial: 1 mg After storage: 1.2 mg
<b>Flowability (MT 172)</b>	A minimum of 99% of the product shall pass through a 5 mm test sieve after 20 drops of the sieve.	A minimum of 99% of the product shall pass through a 5 mm test sieve after 20 drops of the sieve.	The test item dropped completely through the sieve, no remaining material was observed on the sieve.
<b>Storage stability (14 days at <math>54 \pm 2^\circ\text{C}</math>)</b>	After storage, the determined average active ingredient content must not be lower than 97% relative to the determined average content found before storage and the formulation shall continue to comply with the clauses for: - wet sieve test - degree of dispersion - suspensibility - dustiness	After storage, the determined average content of cymoxanil must not be lower than 97% relative to the determined average content found before storage and the formulation shall continue to comply with the clauses for: - wet sieve test - degree of dispersion - suspensibility - dustiness	After storage: - the cymoxanil content relative to the determined content before storage was 99.8% - the product complies with all clauses

#### Formulation used for tests

The studies described in **Table 2-1** have been carried out with the product FEL02.



**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	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	Free flowing micro granules, greyish green	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Accepted.
Explosive properties (KCP 2.2.1)	UN RTDG/MTC/ Appendix 6/ Screening procedures/Section 3 ASTM E 537-07	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	No explosive properties (based on exothermic decomposition energy data and theoretical evaluation of chemical structures)	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	No explosive properties. Not classified as explosive. Accepted.
Oxidizing properties (KCP 2.2.2)	UN Test O.1	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	Not classified as an oxidising solid	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Not classified as oxidising. Accepted.
Flash point (KCP 2.3.1)	Not required for WG formulation					
Flammability (KCP 2.3.2)	UN Test N.1	FEL02: Bordeaux mixture	Not flammable	Y	Noordijk, D.N.G. (2018)	Accepted.

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
		(200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3			Report no.: DL 18-086	
Self-heating (KCP 2.3.3)	EC A.16	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	Self-ignition temperature: 206°C	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Accepted.
	UN method N.4	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	Not classified as a self-heating substance	Y	Tremain S.P. (2018) Report no.: KX29DG	The test item showed no signs of self-heating. Not classified as a self-heating. Accepted.
Acidity or alkalinity and pH (KCP 2.4.1)	Not required as the pH of a 1% aqueous dispersion is not <4 or >10.					
pH of a 1% aqueous dilution, emulsion or dispersion (KCP 2.4.2)	CIPAC MT 75.3	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxan-	pH at 20°C: 7.1	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Accepted.

Annex point	Method used / deviations	Test material	Findings		GLP Y/N	Reference	Acceptability / comments
		il), Batch no.: 16.129.3					
Viscosity (KCP 2.5.1)	Not required for WG formulation						
Surface tension (KCP 2.5.2)	Not required for WG formulation						
Relative density (KCP 2.6.1)	Not required for WG formulation						
Bulk density (KCP 2.6.2)	CIPAC MT 186	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	Pour density: 0.84 g/mL Tap density: 0.95 g/mL Average pour/tap density: 0.89 g/mL		Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Accepted.
Storage Stability after 14 days at 54° C (KCP 2.7.1)	CIPAC MT 46.3	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	The product is stable for 14 days at 54°C in a 1-kg paper/PE		Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	The formulation was stored in the commercial packaging (1-kg paper/PE bag). The content of a.s. was determined with methods validated according to SANCO/3030/99 rev.5 (see Part B5 of the dRR).  The change of a.s. content was 0.5% for copper and 0.2% for cymoxanil. There were no significant changes to the formulation except for water content which decreased from 13.3 to 3.7 g/kg.
			<table><tr><th>Test</th><th>Initial</th><th>14 days at 54°C</th></tr><tr><td colspan="3">bag (Same packaging material and closure as the commercial packaging). All properties are acceptable both before and after storage.</td></tr></table>	Test			
Test	Initial	14 days at 54°C					
bag (Same packaging material and closure as the commercial packaging). All properties are acceptable both before and after storage.							

Annex point	Method used / deviations	Test material	Findings			GLP Y/N	Reference	Acceptability / comments
			Active substance content: copper (titration)	206 g/kg	207 g/kg			The packaging remained stable. Accepted.
			Active substance content: Cymoxanil (HPLC-UV)	41.7 g/kg	41.6 g/kg			
			Water content (loss on drying, CIPAC MT 17.1)	13.3 g/kg	3.7 g/kg			
			Appearance (Visual inspection)	Free flowing micro granules, greyish green	Free flowing micro granules, greyish green			
			pH 1% aqueous dispersion at 20°C (CIPAC MT 75.3)	7.1	7.1			
			Wettability (CIPAC MT 53.3)	With swirling: <1 s Without swirling: <1 s	With swirling: <1 s Without swirling: <1 s			
			Persistent foaming (after 1 min) (CIPAC MT 47.3)	0.3% suspension: 0 mL 3.0% suspension: 0 mL	0.3% suspension: 0 mL 3.0% suspension: 0 mL			

Annex point	Method used / deviations	Test material	Findings			GLP Y/N	Reference	Acceptability / comments
			<b>Suspensibility (CIPAC MT 184)</b>  <u>Copper (titration)</u> 0.3% suspension 30°C: 92% 20°C: 91% 3.0% suspension 30°C: 73% 20°C: 79% <u>Cymoxanil (HPLC-UV)</u> 0.3% suspension 30°C: 101% 20°C: 99% 3.0% suspension 30°C: 79% 20°C: 74%	<u>Copper (titration)</u> 0.3% suspension 30°C: 91% 20°C: 91% 3.0% suspension 30°C: 80% 20°C: 85% <u>Cymoxanil (HPLC-UV)</u> 0.3% suspension 30°C: 101% 20°C: 100% 3.0% suspension 30°C: 80% 20°C: 76%				
			<b>Spontaneity of dispersion (CIPAC MT 174)</b>  <u>3.0% suspension, 30°C</u> Copper: 88% Cymoxanil: 83%	<u>3.0% suspension, 30°C</u> Copper: 90% Cymoxanil: 85%				
			<b>Wet sieve test (residue 75 µm sieve) (CIPAC MT 185)</b>	0%	0%			
			<b>Granulate size</b>	<u>Granule size</u>	<u>Granule size</u>			

Annex point	Method used / deviations	Test material	Findings			GLP Y/N	Reference	Acceptability / comments
			<b>distribution (CIPAC MT 170)</b>	<u>distribution (dry sieve test)</u> Sum of <b>normal-ized</b> residues (Rx) (%) > 600 µm: 0.2 > 500 µm: 0.2 > 355 µm: 1.1 > 250 µm: 8.8 (= x <sub>2</sub> ) > 180 µm: 44.5 > 106 µm: 86.2 > 50 µm: 99.9 (= x <sub>1</sub> ) < 50 µm: 0.1 X <sub>1</sub> , where Rx ≥ 90%: 50 µm X <sub>2</sub> , where Rx ≤ 10%: 250 µm	<u>distribution (dry sieve test)</u> Sum of <b>normal-ized</b> residues (Rx) (%) > 600 µm: 0.2 > 500 µm: 0.3 > 355 µm: 1.3 > 250 µm: 8.7 (= x <sub>2</sub> ) > 180 µm: 48.9 > 106 µm: 87.0 > 50 µm: 99.9 (= x <sub>1</sub> ) < 50 µm: 0.1 X <sub>1</sub> , where Rx ≥ 90%: 50 µm X <sub>2</sub> , where Rx ≤ 10%: 250 µm			
			<b>Granulate size distribution (CIPAC MT 187, OECD 110)</b>	<u>Particle size distribution (laser diffraction)</u> d (0.1): 0.51 µm d (0.5): 1.86 µm d (0.9): 7.35 µm D [4,3]: 3.16 µm < 2 µm: 52.7% > 2 µm < 200 µm: 47.3%	<u>Particle size distribution (laser diffraction)</u> d (0.1): 0.51 µm d (0.5): 1.78 µm d (0.9): 7.16 µm D [4,3]: 3.08 µm < 2 µm: 54.4% > 2 µm < 200 µm: 45.6%			

Annex point	Method used / deviations	Test material	Findings			GLP Y/N	Reference	Acceptability / comments
				> 200 µm: 0.0% 98%: 15.0 µm	> 200 µm: 0.0% 98%: 15.2 µm			
			<b>Dustiness (CIPAC MT 171)</b>	Collected dust: 1.0 mg Assessment: nearly dust free	Collected dust: 1.2 mg Assessment: nearly dust free			
			<b>Attrition (CIPAC MT 178.2)</b>	98.4%	98.8%			
			<b>Flowability (CIPAC MT 172)</b>	-	The test item dropped completely through the sieve, no remaining material was observed on the sieve.			
Stability after storage for other periods and/or temperatures (KCP 2.7.2)			Not required, refer to KCP 2.7.1					
Minimum content after heat stability testing (KCP 2.7.3)		FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	Please refer to contents of the active substances reported in KCP 2.7.1.			Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Accepted.
Effect of low temperatures on stabil-	Not required for WG formulation							

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
ity (KCP 2.7.4)						
Ambient temperature shelf-life (KCP 2.7.5)	GIFAP Monograph No. 17	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	<p>The product is found to be chemically and physically stable when stored at ambient storage conditions in unopened commercial packaging (1-kg paper/PE bag) for the period of 3 years.</p> <p>Physical, chemical and technical properties of the product determined before storage and after 6, 12, 24 and 36 months of storage are presented in Table 2.2 below.</p>	Y	<p>Noordijk, D.N.G. (2018) Report no.: DL 18-086</p> <p>Noordijk, D.N.G. (2020) Report no.: DL 18-087 and Suratwala, T. G. (2022) Report no.: 237-2-11-27572</p>	<p>The storage stability study was initiated at Cerexagri B.V. Rotterdam, Netherlands (report DL 18-087) and upon Cerexagri closure, the study was transferred to affiliated laboratory Jai Research Foundation (JRF), India (report 237-2-11-27572). The 3 years sample analysis was performed at the Department of Chemistry, Jai Research Foundation.</p> <p>The formulation was stored in the commercial packaging (1-kg paper/PE bag) in non-heated warehouse with temperature and humidity monitoring. The temperature ranged between 3.9 and 30.6°C and the relative humidity between 24.0% and 99.5%. The temperature and relative humidity monitoring curves are attached to the study report.</p> <p>The content of a.s. was determined with methods validated according to SANCO/3030/99 rev.5 (see Part B5 of the dRR).</p> <p>The change of a.s. content</p>



Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
						<p>after 2 years was 1.5% for copper and 1.4% for cymoxanil, after 3 years 2.3% for copper and 1.6% for cymoxanil. There were no significant changes to the formulation except for water content which increased from 13.3 to 26.3 g/kg.</p> <p>The content of relevant impurities was determined in the initial formulation (see KCP 2.11). It was not determined after storage, however, as the impurities are process impurities and do not form upon storage according to SAN-CO/10473/2003-rev.5 it can be accepted.</p> <p>The packaging remained stable (no defects, no deviations, no sign of interactions between test item and packaging). The packaging and formulation <b>was were</b> stable when stored for 2 years under pressure.</p> <p>The formulation is stable during storage for 3 years.</p> <p>Accepted.</p>
Shelf-life in months (if less than 2 years)	Not required. Please refer to KCP 2.7.5.					

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
(KCP 2.7.6)						
Wettability (KCP 2.8.1)	CIPAC MT 53.3	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	With swirling: <1 s Without swirling: <1 s	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Accepted.
Persistence of foaming (KCP 2.8.2)	CIPAC MT 47.3	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	0.3% suspension, after 1 min: 0 mL 3.0% suspension, after 1 min: 0 mL	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	CIPAC Standard Water D was used. The test was performed for the highest (3% w/v) and lowest (0.3% w/v) recommended concentrations. Accepted.
Suspensibility (KCP 2.8.3.1)	CIPAC MT 184	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	<u>Suspensibility of copper in Standard Water D (titration)</u> 0.3% suspension, 30°C: 92% 3.0% suspension, 30°C: 73% 0.3% suspension, 20°C: 91% 3.0% suspension, 20°C: 79% <u>Suspensibility of Cymoxanil Standard Water D (HPLC-UV)</u> 0.3% suspension, 30°C: 101% 3.0% suspension, 30°C: 79% 0.3% suspension, 20°C: 99% 3.0% suspension, 20°C: 74%	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	The test was performed for the highest (3% w/v) and lowest (0.3% w/v) recommended concentrations. For the determination of the a.s. con-tent the methods validated according to SANCO/3030/99 rev.5 (see Part B5 of the dRR) were used. Accepted.
Spontaneity of dispersion (KCP 2.8.3.2)	CIPAC MT 174	FEL02: Bordeaux mixture (200 g/kg as cop-	Dispersibility of copper (titration): 88% Dispersibility of Cymoxanil (HPLC-UV): 83%	Y	Noordijk, D.N.G. (2018)	For the determination of the a.s. con-tent the methods validated according to SANCO/3030/99 rev.5 (see

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
		per) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3			Report no.: DL 18-086	Part B5 of the dRR) were used. Accepted.
Dispersion stability (KCP 2.8.3.3)	Not required for WG formulation					
Degree of dissolution and dilution stability (KCP 2.8.4)	Not required for WG formulation					
Particle size distribution / nominal size range of granules (KCP 2.8.5.1.1)	CIPAC MT 170	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	<u>Granule size distribution (dry sieve test)</u> <u>Sum of normalized residue in %:</u> > 600 µm: 0.2 > 500 µm: 0.2 > 355 µm: 1.1 > 250 µm: 8.8 (= x <sub>2</sub> ) > 180 µm: 44.5 > 106 µm: 86.2 > 50 µm: 99.9 (= x <sub>1</sub> ) < 50 µm: 0.1 X <sub>1</sub> , where Rx ≥ 90%: 50 µm X <sub>2</sub> , where Rx ≤ 10%: 250 µm	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	The content of granules <50 µm was <1%. Accepted.
Wet sieve test (KCP 2.8.5.1.2)	CIPAC MT 185	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil),	Wet sieve test (residue 75 µm sieve): 0.0%	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Accepted.

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
		Batch no.: 16.129.3				
Dust content (KCP 2.8.5.2.1)	CIPAC MT 171	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	Collected dust: 1.0 mg Assessment: nearly dust free	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Accepted.
Particle size of dust (KCP 2.8.5.2.2)	CIPAC MT 187 OECD 110	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	<u>Particle size distribution (laser diffraction)</u> d (0.1): 0.51 µm d (0.5): 1.86 µm d (0.9): 7.35 µm D [4,3]: 3.16 µm < 2 µm: 52.7% > 2 µm < 200 µm: 47.3% > 200 µm: 0.0% <b>At</b> 98%: 15.0 µm	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Accepted.
Attrition (KCP 2.8.5.3)	CIPAC MT 178.2	FEL02: Bordeaux mixture (200 g/kg as copper) and Cymoxanil (40 g/kg as Cymoxanil), Batch no.: 16.129.3	98.4%	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Accepted.
Hardness and integrity (KCP 2.8.5.4)	Not required for WG formulation					
Emulsifiability	Not required for WG formulation					

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
(KCP 2.8.6.1)						
Emulsion stability (KCP 2.8.6.2)	Not required for WG formulation					
Re-emulsifiability (KCP 2.8.6.3)	Not required for WG formulation					
Flowability (KCP 2.8.7.1)	CIPAC MT 172	FEL02 Bordeaux mixture (200 g/kg as copper) Cymoxanil: 40 g/kg as Cymoxanil Batch no: 16.129.3	The test item dropped completely through the sieve, no remaining material was observed on the sieve.	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Accepted.
Pourability (KCP 2.8.7.2)	Not required for WG formulation					
Dustability following accelerated storage (KCP 2.8.7.3)	Not required for WG formulation					
Physical compatibility of tank mixes (KCP 2.9.1)	Not relevant as a tank mix with other products is not recommended on the label.					
Chemical compatibility of tank mixes (KCP 2.9.2)	Not relevant as a tank mix with other products is not recommended on the label.					
Adhesion to seeds (KCP 2.10.1)	Not relevant as the product is not intended to be used as a seed treatment.					
Distribution to seed	Not relevant as the product is not intended to be used as a seed treatment.					

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments																													
(KCP 2.10.2)																																			
Other/special studies (KCP 2.11)	None																																		
	CIPAC MT 17.1	FEL02 Bordeaux mixture (200 g/kg as copper) Cymoxanil: 40 g/kg as Cymoxanil Batch no: 16.129.3	Water content (loss on drying): 13.3 g/kg	Y	Noordijk, D.N.G. (2018) Report no.: DL 18-086	Accepted.																													
	ICP-MS	FEL02 Bordeaux mixture (200 g/kg as copper) Cymoxanil: 40 g/kg as Cymoxanil Batch no: 0718322	<table><tr><th colspan="3">Content of relevant impurities in the initial formulation:</th></tr><tr><th>Impurity</th><th>Mean value</th><th>Compliance with Reg. 2018/1981</th></tr><tr><td>Lead</td><td>19.77 mg/kg</td><td>Yes (max. 60 mg/kg)</td></tr><tr><td>Cadmium</td><td>&lt; LOQ (LOQ = 0.25 mg/kg)</td><td>Yes (max. 20 mg/kg)</td></tr><tr><td>Arsenic</td><td>1.07 mg/kg</td><td>Yes (max. 20 mg/kg)</td></tr><tr><td>Nickel</td><td>4.8 mg/kg</td><td>Yes (max. 200 mg/kg)</td></tr><tr><td>Cobalt</td><td>&lt; LOQ (LOQ = 0.25 mg/kg)</td><td>Yes (max. 2 mg/kg)</td></tr><tr><td>Mercury</td><td>&lt; LOQ (LOQ = 0.25 mg/kg)</td><td>Yes (max. 4 mg/kg)</td></tr><tr><td>Chromium</td><td>1.19 mg/kg</td><td>Yes (max. 78 mg/kg)</td></tr><tr><td>Antimony</td><td>1.53 mg/kg</td><td>Yes (max. 5 mg/kg)</td></tr></table>	Content of relevant impurities in the initial formulation:			Impurity	Mean value	Compliance with Reg. 2018/1981	Lead	19.77 mg/kg	Yes (max. 60 mg/kg)	Cadmium	< LOQ (LOQ = 0.25 mg/kg)	Yes (max. 20 mg/kg)	Arsenic	1.07 mg/kg	Yes (max. 20 mg/kg)	Nickel	4.8 mg/kg	Yes (max. 200 mg/kg)	Cobalt	< LOQ (LOQ = 0.25 mg/kg)	Yes (max. 2 mg/kg)	Mercury	< LOQ (LOQ = 0.25 mg/kg)	Yes (max. 4 mg/kg)	Chromium	1.19 mg/kg	Yes (max. 78 mg/kg)	Antimony	1.53 mg/kg	Yes (max. 5 mg/kg)	Y	Martinez, M.P. (2019) Report no.: CH - 204/2019
Content of relevant impurities in the initial formulation:																																			
Impurity	Mean value	Compliance with Reg. 2018/1981																																	
Lead	19.77 mg/kg	Yes (max. 60 mg/kg)																																	
Cadmium	< LOQ (LOQ = 0.25 mg/kg)	Yes (max. 20 mg/kg)																																	
Arsenic	1.07 mg/kg	Yes (max. 20 mg/kg)																																	
Nickel	4.8 mg/kg	Yes (max. 200 mg/kg)																																	
Cobalt	< LOQ (LOQ = 0.25 mg/kg)	Yes (max. 2 mg/kg)																																	
Mercury	< LOQ (LOQ = 0.25 mg/kg)	Yes (max. 4 mg/kg)																																	
Chromium	1.19 mg/kg	Yes (max. 78 mg/kg)																																	
Antimony	1.53 mg/kg	Yes (max. 5 mg/kg)																																	
						<p>The formulation need not be classified according to Reg. (EC) 1272/2008 under physicochemical assessment.</p> <p>The product is not explosive, not flammable, not oxidising, and has a self-ignition temperature above</p>																													

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
						<p>200°C - none of these end-points meets the criteria for physical-chemical classification according to CLP.</p> <p>The product is a WG formulation that was already approved and used, and it demonstrates that the product is not pyrophoric and does not emit flammable gases when in contact with water. The oxygen in co-formulants is bound in stable structural groupings with strong oxygen bonds therefore the formulation is not an organic peroxide.</p> <p>The formulation does not contain any mutually reactive groups, sulphonyl halides/cyanides/hydrazides, phosphites, strained rings, olefins or cyanates so is not a self-reactive substance.</p> <p>Taking into consideration the formulation composition and its physicochemical properties it is unlikely to expect the product to be corrosive to metals.</p>

Table 2-2: 3-year shelf-life study results (KCP 2.7.5)

Test	Method used	Initial	After 6 months storage at ambient conditions	After 12 months storage at ambient conditions	After 24 months storage at ambient conditions	After 36 months storage at ambient conditions

				tions		
<b>Appearance</b>	Visual inspection  After 36 months storage: OPPTS 830.6302 OPPTS 830.6303	Free flowing micro granules, greyish green (Methuen color code: 29E6)	Not tested	Not tested	Free flowing micro granules, greyish green (Methuen color code: 29E6)	Free flowing micro granules, greyish green (Munsell color code: 7.5GY 6/2)
<b>Active substance content: copper</b>	CIPAC 44/WP/M/3.2 (titration)	206 g/kg	204 g/kg	204 g/kg	203 g/kg	201.3 g/kg
<b>Active substance content: Cymoxanil</b>	HPLC-UV	41.7 g/kg	41.1 g/kg	40.7 g/kg	41.1 g/kg	41.05 g/kg
<b>Water content (loss on drying)</b>	CIPAC MT 17.1	13.3 g/kg	Not tested	Not tested	25.7 g/kg	26.3 g/kg
<b>pH 1% aqueous dispersion at 20°C</b>	CIPAC MT 75.3	7.1	Not tested	Not tested	7.1	7.05
<b>Wettability</b>	CIPAC MT 53.3	With swirling: <1 s Without swirling: <1 s	Not tested	Not tested	With swirling: 2 s Without swirling: 2 s	With swirling: 1 s Without swirling: 2 s
<b>Persistent foam-ing (after 1 min)</b>	CIPAC MT 47.3	0.3% suspension: 0 mL 3.0% suspension: 0 mL	Not tested	Not tested	0.3% suspension: 0 mL 3.0% suspension: 0 mL	0.3% suspension: 0 mL 3.0% suspension: 0 mL
<b>Suspensibility</b>	CIPAC MT 184	<u>Copper (titration)</u> 0.3% suspension 30°C: 92% 20°C: 91%  3.0% suspension 30°C: 73% 20°C: 79%  <u>Cymoxanil (HPLC-UV)</u> 0.3% suspension 30°C: 101%	<u>Copper (titration)</u> 0.3% suspension 30°C: 92% 20°C: 91%  3.0% suspension 30°C: 78% 20°C: 83%  <u>Cymoxanil (HPLC-UV)</u> 0.3% suspension 30°C: 101%	<u>Copper (titration)</u> 0.3% suspension 30°C: 91% 20°C: 91%  3.0% suspension 30°C: 76% 20°C: 82%  <u>Cymoxanil (HPLC-UV)</u> 0.3% suspension 30°C: 100%	<u>Copper (titration)</u> 0.3% suspension 30°C: 92% 20°C: 92%  3.0% suspension 30°C: 80% 20°C: 85%  <u>Cymoxanil (HPLC-UV)</u> 0.3% suspension 30°C: 101%	<u>Copper (titration)</u> 0.3% suspension 30°C: 91% 20°C: 92%  3.0% suspension 30°C: 82% 20°C: 86%  <u>Cymoxanil (HPLC-UV)</u> 0.3% suspension 30°C: 102% 20°C: 102%



		20°C: 99%  3.0% suspension 30°C: 79% 20°C: 74%	20°C: 99%  3.0% suspension 30°C: 82% 20°C: 76%	20°C: 100%  3.0% suspension 30°C: 80% 20°C: 76%	20°C: 100%  3.0% suspension 30°C: 81% 20°C: 76%	3.0% suspension 30°C: 82% 20°C: 79%
<b>Spontaneity of dispersion</b>	CIPAC MT 174	3.0% suspension, 30°C Copper: 88% Cymoxanil: 83%	Not tested	Not tested	3.0% suspension, 30°C Copper: 90% Cymoxanil: 84%	3.0% suspension, 30°C Copper: 90% Cymoxanil: 84%
<b>Wet sieve test (residue 75 µm sieve)</b>	CIPAC MT 185	0%	Not tested	Not tested	0%	0%
<b>Granulate size distribution</b>	CIPAC MT 170	<u>Granule size distribution (dry sieve test)</u> Sum of <b>normalized</b> residues (Rx) (%) > 600 µm: 0.2 > 500 µm: 0.2 > 355 µm: 1.1 > 250 µm: 8.8 (= x <sub>2</sub> ) > 180 µm: 44.5 > 106 µm: 86.2 > 50 µm: 99.9 (= x <sub>1</sub> ) < 50 µm: 0.1 X <sub>1</sub> , where Rx ≥ 90%: 50 µm X <sub>2</sub> , where Rx ≤ 10%: 250 µm	Not tested	Not tested	<u>Granule size distribution (dry sieve test)</u> Sum of residues (Rx) (%) > 600 µm: 0.2 > 500 µm: 0.4 > 355 µm: 1.9 (= x <sub>2</sub> ) > 250 µm: 12.7 > 180 µm: 57.2 > 106 µm: 90.7 (= x <sub>1</sub> ) > 50 µm: 99.9 < 50 µm: 0.1 X <sub>1</sub> , where Rx ≥ 90%: 106 µm X <sub>2</sub> , where Rx ≤ 10%: 355 µm	<u>Granule size distribution (dry sieve test)</u> Sum of residues (Rx) (%) > 600 µm: 0.08 > 500 µm: 0.15 > 355 µm: 0.74 > 250 µm: 4.55 (= x <sub>2</sub> ) > 180 µm: 17.76 > 105 µm: 90.65 (= x <sub>1</sub> ) > 53 µm: 99.8 < 53 µm: 0.08 X <sub>1</sub> , where Rx ≥ 90%: 105 µm X <sub>2</sub> , where Rx ≤ 10%: 250 µm
	CIPAC MT 187 OECD 110	<u>Particle size distribution (laser diffraction)</u> d (0.1): 0.51 µm d (0.5): 1.86 µm d (0.9): 7.35 µm D [4,3]: 3.16 µm < 2 µm: 52.7% > 2 µm < 200 µm: 47.3%	Not tested	Not tested	<u>Particle size distribution (laser diffraction)</u> d (0.1): 0.48 µm d (0.5): 1.78 µm d (0.9): 7.48 µm D [4,3]: 3.17 µm < 2 µm: 54.0% > 2 µm < 200 µm: 46.0%	<u>Particle size distribution (laser diffraction)</u> d (0.1): 0.19 µm d (0.5): 0.58 µm d (0.9): 7.37 µm D [4,3]: 3.14 µm < 2 µm: 68.4% > 2 µm < 200 µm: 31.6%

		> 200 µm: 0.0% 98%: 15.0 µm			> 200 µm: 0.0% 98%: 15.5 µm	> 200 µm: 0.0% 98%: 20.2 µm
<b>Dustiness</b>	CIPAC MT 171	Collected dust: 1.0 mg Assessment: nearly dust free	Not tested	Not tested	Collected dust: 0.9 mg Assessment: nearly dust free	Collected dust: 1.0 mg Assessment: nearly dust free
<b>Stability of packaging and packaging interactions</b>	OPPTS 830.6320	Fully intact packaging with no signs of corrosive interaction between the product and packaging material (perforation, leaking at the seam, discoloration, darkening, etc.).	No visual change upon storage.	No visual change upon storage.	No visual change upon storage.	No visual change upon storage.
<b>Weight of packaging</b>	Weighing	-	0.9% increased weight	1.1% increased weight	1.4% increased weight	1.5% increased weight
<b>Attrition resistance</b>	CIPAC MT 178.2	98.4%	Not tested	Not tested	97.7%	98.3%
<b>Particle size of the dust collected from the attrition resistance test</b>	CIPAC MT 187 OECD 110	Not tested	Not tested	Not tested	d (0.1): 93 µm d (0.5): 131 µm d (0.9): 183 µm D [4,3]: 136 µm < 2 µm: 0.0% > 2 µm - < 200 µm: 94.7% > 200 µm: 5.3% < 50 µm: 0.0% > 75 µm: 98.9%	Not tested
<b>Stacking properties:</b> <b>Visual inspection of packaging</b>	Visual inspection	Not tested	No defect	No defect	No defect The pallet with tested material was stored for 2 years under pressure. After 2 years, the product contained a few lumps of compressed	Not tested

					material which disinte- grated easily with slight touch. The sam- ple was verified on granule integrity by granule size distribu- tion and dustiness. Sum of residues (Rx) (%) > 600 µm: 0.2 > 500 µm: 0.3 > 355 µm: 1.3 (= x <sub>2</sub> ) > 250 µm: 10.5 > 180 µm: 55.4 > 106 µm: 90.9 (= x <sub>1</sub> ) > 50 µm: 99.9 < 50 µm: 0.1 X <sub>1</sub> , where Rx ≥ 90%: 106 µm X <sub>2</sub> , where Rx ≤ 10%: 355 µm Dustiness: 0.9 mg	
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\* The product was stored in a non-heated warehouse in which temperature stayed between 3.9°C and 30.6°C and relative humidity between 24.0% and 99.5%.

### 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)

RMS Comment	In the accelerated stability and shelf-life stability studies, the product was stored in commercial packaging (1-kg paper/PE bag) and the packaging remained stable during the storage. Since the formulation is WG formulation, it is possible, according to the guideline of the Ministry of Agriculture and Rural Development (Wytyczna w sprawie zasad zatwierdzania opakowań w środkach ochrony roślin), to extrapolate the results to another elastic packaging, therefore, also the other proposed commercial packs (PE bags) are considered acceptable.
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Please refer to KCP 2.7.5 for stability of packaging upon storage and interactions between the product and packaging material.

**Table 4.1-1 Packaging information for 5 kg paper-PE bags**

Type	Description
Material:	4-layer open mouth reclosable paper-PE bag
Shape/size:	300 x 580 + 100/2
Opening:	-
Closure:	Double folding of the bag and sticking of holmet paper strip
Seal:	-
Manner of construction:	External ply n° 1: 70 g/m <sup>2</sup> white Kraft paper Middle ply n° 2: film HD 10µ Middle ply n° 3: Kraft paper 70 g/m <sup>2</sup> Internal ply n° 4: 70 g/m <sup>2</sup> Kraft Paper with a 23 g / m <sup>2</sup> PE inside coating
UN/ADR:	Compliant

**Table 4.1-2 Packaging information for 10 kg paper-PE bags**

Type	Description
Material:	4-layer open mouth reclosable paper-PE bag
Shape/size:	400 x 620 + 100/2
Opening:	-
Closure:	Double folding of the bag and sticking of holmet paper strip
Seal:	-
Manner of construction:	External ply n° 1: 70 g/m <sup>2</sup> white Kraft paper Middle ply n° 2: film HD 10µ Middle ply n° 3: Kraft paper 70 g/m <sup>2</sup> Internal ply n° 4: 70 g/m <sup>2</sup> Kraft Paper with a 23 g / m <sup>2</sup> PE inside coating
UN/ADR:	Compliant

**Table 4.1-3 Packaging information for 15 kg paper-PE bags**

Type	Description
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Material:	4-layer open mouth reclosable paper-PE bag
Shape/size:	400 x 690 + 130/2
Opening:	-
Closure:	Double folding of the bag and sticking of holmet paper strip
Seal:	-
Manner of construction:	External ply n° 1: 70 g/m <sup>2</sup> white Kraft paper Middle ply n° 2: film HD 10μ Middle ply n° 3: Kraft paper 70 g/m <sup>2</sup> Internal ply n° 4: 70 g/m <sup>2</sup> Kraft Paper with a 23 g / m <sup>2</sup> PE inside coating
UN/ADR:	Compliant

**Table 4.1-4 Packaging information for 20 kg paper-PE bags**

Type	Description
Material:	4-layer open mouth reclosable paper-PE bag
Shape/size:	450 x 720 + 160/2
Opening:	-
Closure:	Double folding of the bag and sticking of holmet paper strip
Seal:	-
Manner of construction:	External ply n° 1: 70 g/m <sup>2</sup> white Kraft paper Middle ply n° 2: film HD 10μ Middle ply n° 3: Kraft paper 70 g/m <sup>2</sup> Internal ply n° 4: 70 g/m <sup>2</sup> Kraft Paper with a 23 g / m <sup>2</sup> PE inside coating
UN/ADR:	Compliant

**Table 4.1-5 Packaging information for 5 kg PE bags**

Type	Description
Material:	Polyethylene Co extruded
Shape/size:	Thickness: 160μ (medium +/- 5%) Apparent width: 250 mm (+/- 5mm) Bellows: 45 mm (+/-5mm) Flat width: 340 mm (+/-5mm) Development: 450 mm
Opening:	-
Closure:	-
Seal:	-
Manner of construction:	-
UN/ADR:	Compliant

**Table 4.1-6 Packaging information for 10 kg PE bags**

Type	Description
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Material:	Polyethylene Co extruded
Shape/size:	Thickness:160μ (medium +/- 5%) Apparent width: 250 mm (+/- 5mm) Bellows: 45 mm (+/-5mm) Flat width: 340 mm (+/-5mm) Development: 550 mm
Opening:	-
Closure:	-
Seal:	-
Manner of construction:	-
UN/ADR:	Compliant

**Table 4.1-7 Packaging information for 15 kg PE bags**

Type	Description
Material:	Polyethylene Co extruded
Shape/size:	Thickness:160μ (medium +/- 5%) Apparent width: 280 mm (+/- 5mm) Bellows: 50 mm (+/-5mm) Flat width: 380 mm (+/-5mm) Development: 650 mm
Opening:	-
Closure:	-
Seal:	-
Manner of construction:	-
UN/ADR:	Compliant

**Table 4.1-8 Packaging information for 20 kg PE bags**

Type	Description
Material:	Polyethylene Co extruded
Shape/size:	Thickness:160μ (medium +/- 5%) Apparent width: 250 mm (+/- 5mm) Bellows: 45 mm (+/-5mm) Flat width: 340 mm (+/-5mm) Development: 450 mm
Opening:	-
Closure:	-
Seal:	-
Manner of construction:	-
UN/ADR:	Compliant

## Appendix 1 Lists of data considered in support of the evaluation

### List of data submitted by the applicant and 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
KCP 2.1 KCP 2.2.1 KCP 2.2.2 KCP 2.3.2 KCP 2.3.3/01 KCP 2.4.2 KCP 2.6.2 KCP 2.7.1 KCP 2.7.3 KCP 2.7.5/01 KCP 2.8.1 KCP 2.8.2 KCP 2.8.3.1 KCP 2.8.3.2 KCP 2.8.5.1.1 KCP 2.8.5.1.2 KCP 2.8.5.2.1 KCP 2.8.5.2.2 KCP 2.8.5.3 KCP 2.8.7.1 KCP 2.11/01	Noordijk, D. N. G.	2018	PHYSICAL, CHEMICAL AND TECHNICAL PROPERTIES OF CUPROFIX C DISPERS (FEL02) UPL Europe Ltd., DL 18-086 Cerexagri B.V., Rotterdam, NL GLP: yes Published: no	N	UPL Europe Ltd.
KCP 2.3.3/02	Tremain, S. P.	2018	COPPER (BB) /CYMOXANIL (200/40): CLASSIFICATION OF SELF HEATING SUBSTANCES UPL Europe Ltd., KX29DG Envigo Research Limited GLP: yes	N	UPL Europe Ltd.

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: no		
KCP 2.7.5/02	Noordijk, D. N. G.	2019	SHELF-LIFE OF CUPROFIX C DISPERSS (FEL02) FOR 2 YEARS AT AMBIENT STORAGE CONDITIONS IN 1-KG PAPER/PE BAGS UPL Europe Ltd., DL 18-087 Cerexagri B.V., Rotterdam, NL GLP: yes Published: no	N	UPL Europe Ltd.
KCP 2.7.5/03	Suratwala, T. G.	2022	SHELF-LIFE OF CUPROFIX C DISPERSS (FEL02) FOR 3 YEARS AT AMBIENT STORAGE CONDITIONS IN 1-KG PAPER/PE BAGS UPL Europe Ltd., 237-2-11-27572 Jai Research Foundation, Gujarat, India GLP: yes Published: no	N	UPL Europe Ltd.
KCP 2.11/02	Pardo Martinez, M.	2019	FEL02: VALIDATION OF THE ANALYTICAL METHOD FOR THE DETERMINATION OF THE METALLIC IMPURITIES CONTENT (ARSENIC, CADMIUM, LEAD, NICKEL, ANTIMONY, CHROMIUM, COBALT AND MERCURY) United Phosphorus Ltd., CH - 204/2019 Chemservice S.r.l., Novate Milanese, Italy GLP/GEP: yes Published: no	N	UPL Europe Ltd.



The following tables are to be completed by MS.

**List of data submitted by the applicant and not relied on**

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Owner</b>
KCP XX	Author	YYYY	Title Company Report No Source GLP/non GLP/GEP/non GEP Published/Unpublished	Y/N	Owner

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

<b>Data point</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>	<b>Vertebrate study Y/N</b>	<b>Owner</b>
KCP XX	Author	YYYY	Title Company Report No Source GLP/non GLP/GEP/non GEP Published/Unpublished	Y/N	Owner

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

### **A 2.1            Copper (Bordeaux Mixture)**

No new data are submitted on physical and chemical properties of the active substance.

### **A 2.2            Cymoxanil**

No new data are submitted on physical and chemical properties of the active substance.