

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: CHR/H/FDF 574 SC

Product name(s): Cezaro 574 SC/ Huron 574 SC

Chemical active substance(s):

Florasulam, 12 g/L
Diflufenican, 250 g/L
Flufenacet, 312 g/L

Central Zone

Zonal Rapporteur Member State: Poland

CORE ASSESSMENT

(authorization)

Applicant: Innvigo Sp. z o.o.

Submission date: November 2021

MS Finalisation date: 21/11/2022

Version history

When	What
March 2022	Dossier sent for evaluation
September 2022	zRMS evaluation of dRR
November 2022	Final version prepared by zRMS after Commenting period

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Evaluator comments:

The text highlighted in grey was provided by the evaluator.

Sufficient data on identity, physical and chemical properties and other information are not available for the plant protection product and the contained technical active substance(s).

Noticed data gaps are:

- The two-year storage stability is ongoing. This study has to be provided for evaluation in Poland when available

• data-gap-2

• data-gap-3

1 Section 1: Identity of the plant protection product

1.1 Applicant (KCP 1.1)

Name: Innvigo Sp. z o.o.

Address: Aleje Jerozolimskie 178, 02-486 Warsaw, Poland

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 Penoxsulam

According to the *SANTE/10542/2015 Rev 1 - 14 July 2015*

Florasulam	min. 970 g/kg
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2,6-difluoroanilina	Not more than 2 g/kg
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1.2.3.2 Diflufenican

Diflufenican	min. 970 g/kg
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1.2.3.3 Flufenacet

Flufenacet	min. 950 g/kg
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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 (or)

Trade name: Cezaro 574 SC

Huron 574 SC

Company code number: CHR/H/FDF 574 SC

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 (min – max)	Technical content* (g/L or g/kg)	Technical content** (%w/w)
Florasulam	12	10.2 – 13.8		0.99%
Diflufenican	250	235 - 265		20.7%
Flufenacet	312	296.4 – 327.6		25.83%

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

** Based on the density of the formulation = 1.2077 (Note: only applies if a liquid formulation – delete this comment if not needed)

Table 1.4-2: Relevant impurities

Relevant impurity	Maximum content (g/kg)
2,6-difluoroanilina	Not more than 2 g/kg

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

Table 1.4-3: Information on Florasulam

Type	Name/Code Number	
ISO common name	Florasulam	-
CAS No.	145701-23-1	-
EC No.	604-488-1	-
CIPAC No.	616	-

Table 1.4-4: Information on Diflufenican

Type	Name/Code Number	
ISO common name	Diflufenican	-
CAS No.	83164-33-4	-
EC No.	-	-
CIPAC No.	462	-

Table 1.4-5: Information on Flufenacet

Type	Name/Code Number	
ISO common name	Flufenacet	FOE 5043
CAS No.	142459-58-3	-
EC No.	-	-
CIPAC No.	588	-

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: Suspension concentrate

[Code: SC]

1.6 Function (KCP 1.6)

Herbicide

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 white liquid with a specific, delicate odour. It is not explosive, has no oxidising properties. The product is not flammable. It has a self ignition temperature of 575 °C. In aqueous solution, it has a pH value around 4.40 at 4.77 °C. There is no effect of low and high temperature on the stability of the formulation, since after 7 days at 0 °C and 14 days at 54 °C, neither the active ingredient content nor the technical properties were changed. The stability data indicate a shelf life of at least 1 years at ambient temperature when stored in *HDPE*. Its technical characteristics are acceptable for a *SC* formulation.

The intended concentration of use is 0.1% to 0.2%.

Study of 2 years stability is ongoing.

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

NA

Notifier Proposals for Risk and Safety Phrases (KCP 12)

Not required

Compliance with FAO specifications:

The product CHR/H/FDF 574 SC complies with FAO specifications.

Formulation used for tests

CHR/H/FDF 574 SC
Date of production: 01.04.2020
Expiration period: 01.04.2022
Batch No: 052020

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

Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments
Colour and physical state (KCP 2.1)	OPPTS 830.6302 , 830.6303 and 830.6304	CHR/H/FD F 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	Initial: Colour (Munsell's notation) – N9/ (white) Physical state – liquid Odour – specific, intense After accelerated storage: Colour (Munsell's notation) – N9/ (white) Physical state – liquid Odour – specific, delicate After 1 year storage: Colour (Munsell's notation) – N9/ (white) Physical state – liquid Odour – specific, delicate	Y	1. Knapik, Study code: ICB/110/2020 I. Knapik, Study code: ICB/31/2021 I. Knapik, Study code: ICB/111/2020	Accepted
Explosive properties (KCP 2.2.1)	EC A.14	CHR/H/FD F 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	CHR/H/FDF 574 SC does not have to explosive properties.	Y	D. Buczkowski, Study code: BW-02/21	Accepted
Oxidizing properties	EC A.21	CHR/H/FD F 574 SC	CHR/H/FDF 574 SC has not got the oxidizing properties	Y	P. Flasińska, Study code:	Accepted

Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments
(KCP 2.2.2)		Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020			BC-04/21	
Flash point (KCP 2.3.1)	EEC A.9	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	Flash point was not observed.	Y	I. Knapik, Study code: ICB/110/2020	Accepted
Flammability (KCP 2.3.2)	EEC A.9	CHR/H/FDF 574 SC Date of production: 01.04.2020	Flash point was not observed. The test flame was extinguished by vapours of the test item at temperatures 68°C.	Y	I. Knapik, Study code: ICB/115/2020	Accepted

Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments
		0 Expiration period: 01.04.2022 Batch No: 052020				
Self-heating (KCP 2.3.3)	EC A.15	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	CHR/H/FDF 574 SC has not got auto-ignition temperature up to 650°C according to EC A15 method		P. Flasińska, Study code: BC-04/21	Accepted
Acidity or alkalinity and pH (KCP 2.4.1)	CIPAC MT 75.3	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022	Initial: pH undiluted: 4.58 After accelerated storage: pH undiluted: 4.56 After 1 year storage: pH undiluted: 4.55	Y	I. Knapik, Study code: ICB/110/2020 I. Knapik, Study code: ICB/31/2021 I. Knapik,	Accepted

Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments									
		2 Batch No: 052020			Study code: ICB/111/2020										
pH of a 1% aqueous dilution, emulsion or dispersion (KCP 2.4.2)	CIPAC MT 75.3	CHR/H/FD F 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	Initial: pH 1% (w/v) suspension – 4.48 After accelerated storage: pH 1% (w/v) suspension – 4.46 After 1 year storage: pH 1% (w/v) suspension – 4.42	Y	I. Knapik, Study code: ICB/110/2020 I. Knapik, Study code: ICB/31/2021 I. Knapik, Study code: ICB/111/2020	Accepted									
Viscosity (KCP 2.5.1)	OECD 114	CHR/H/FD F 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	<table><thead><tr><th>Test type</th><th>Methods</th><th>Results</th></tr></thead><tbody><tr><td>Determination of viscosity at 20°C</td><td>OECD 114</td><td>5 s⁻¹ – 888 mPa·s 10 s⁻¹ – 608 mPa·s 25 s⁻¹ – 390 mPa·s. 50 s⁻¹ – 290 mPa·s.</td></tr><tr><td>Determination of viscosity at 40°C</td><td>OECD 114</td><td>5 s⁻¹ – 623 mPa·s 10 s⁻¹ – 425 mPa·s. 25 s⁻¹ – 268 mPa·s. 50 s⁻¹ – 195 mPa·s.</td></tr></tbody></table>	Test type	Methods	Results	Determination of viscosity at 20°C	OECD 114	5 s ⁻¹ – 888 mPa·s 10 s ⁻¹ – 608 mPa·s 25 s ⁻¹ – 390 mPa·s. 50 s ⁻¹ – 290 mPa·s.	Determination of viscosity at 40°C	OECD 114	5 s ⁻¹ – 623 mPa·s 10 s ⁻¹ – 425 mPa·s. 25 s ⁻¹ – 268 mPa·s. 50 s ⁻¹ – 195 mPa·s.		E. Arevalo, Study code: BF-01/21	Accepted
Test type	Methods	Results													
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Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments
Surface tension (KCP 2.5.2)	EEC A.5	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	0.10% (w/v) – 39.00 [mN/m] 0.20% (w/v) – 38.17 [mN/m]	Y	I. Knapik, Study code: ICB/110/2020	Accepted
Relative density (KCP 2.6.1)	EEC A.3	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	1.2077 g/ml	Y	I. Knapik, Study code: ICB/110/2020	Accepted
Bulk density (KCP 2.6.2)			N/R			
Storage		CHR/H/FDF			I. Knapik,	Accepted

Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments																														
Stability after 14 days at 54° C (KCP 2.7.1)		F 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	<table><thead><tr><th>Study</th><th>Method</th><th>Results</th></tr></thead><tbody><tr><td>Appearance</td><td>OPPTS 830.6302, 830.6303 and 830.6304</td><td>Colour (Munsell's notation) – N9/ (white) Physical state – liquid Odour – specific, delicate</td></tr><tr><td>pH</td><td>CIPAC MT 75.3</td><td>1% (w/v) suspension – 4.46 Undiluted – 4.56</td></tr><tr><td>Relative density</td><td>EEC A.3</td><td>1.2061</td></tr><tr><td>Spontaneity of dispersion</td><td>CIPAC MT 160</td><td>Standard Water C (30±2°C): - florasulam 96% - flufenacet 79% - diflufenican 94%</td></tr><tr><td>Wet sieve</td><td>CIPAC MT 185</td><td>Residue (sieve 75 µm) – 0%</td></tr><tr><td>Pourability</td><td>CIPAC MT 148.1</td><td>Residue – 3.07%</td></tr><tr><td>Stability of package</td><td>Standard Operational Procedure SPB/38</td><td>Change in packaging weight – 0.13 [%] Change in gross weight – 0.03 [%]</td></tr><tr><td>Content of florasulam, flufenacet and diflufenican</td><td>Standard Operational Procedure SPB/201</td><td>Florasulam – 11.91 g/L Flufenacet – 312.79 g/L Diflufenican – 250.65 g/L</td></tr><tr><td>Content of 2,6-difluoroaniline as impurity</td><td>Standard Operational Procedure SPB/200</td><td>2,6-difluoroaniline – 0.00738 g/kg</td></tr></tbody></table> <p>Suspensibility: 0.10% (w/v) in Standard Water D (30±2°C):</p>	Study	Method	Results	Appearance	OPPTS 830.6302, 830.6303 and 830.6304	Colour (Munsell's notation) – N9/ (white) Physical state – liquid Odour – specific, delicate	pH	CIPAC MT 75.3	1% (w/v) suspension – 4.46 Undiluted – 4.56	Relative density	EEC A.3	1.2061	Spontaneity of dispersion	CIPAC MT 160	Standard Water C (30±2°C): - florasulam 96% - flufenacet 79% - diflufenican 94%	Wet sieve	CIPAC MT 185	Residue (sieve 75 µm) – 0%	Pourability	CIPAC MT 148.1	Residue – 3.07%	Stability of package	Standard Operational Procedure SPB/38	Change in packaging weight – 0.13 [%] Change in gross weight – 0.03 [%]	Content of florasulam, flufenacet and diflufenican	Standard Operational Procedure SPB/201	Florasulam – 11.91 g/L Flufenacet – 312.79 g/L Diflufenican – 250.65 g/L	Content of 2,6-difluoroaniline as impurity	Standard Operational Procedure SPB/200	2,6-difluoroaniline – 0.00738 g/kg		Study code: ICB/82/2021 I. Knapik, Study code: ICB/31/2021	All the physicochemical parameters are accepted. the package (1L bottle made of HDPE) remained intact after storage
Study	Method	Results																																		
Appearance	OPPTS 830.6302, 830.6303 and 830.6304	Colour (Munsell's notation) – N9/ (white) Physical state – liquid Odour – specific, delicate																																		
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Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments
			- florasulam 100% - flufenacet 64% - diflufenican 96% 0.20% (w/v) in Standard Water D (30±2°C): - florasulam 101% - flufenacet 62% - diflufenican 97%			
Stability after storage for other periods and/or temperatures (KCP 2.7.2)			N/R			
Minimum content after heat stability testing (KCP 2.7.3)		CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	Initial: Florasulam – 12.04 g/L Flufenacet – 314.39 g/L Diflufenican – 250.24 g/L 2.6-difluroroanilina – 0.00768 g/kg After accelerated storage: Florasulam – 11.91 g/L Flufenacet – 312.79 g/L Diflufenican – 250.65 g/L 2.6-difluroroanilina – 0.00738 g/kg After 1 year storage: Penoxulam – 11.93 g/L Flufenacet – 317.82 g/L Diflufenican – 254.51 g/L 2.6-difluroroanilina – 0.00795 g/kg		I. Knapik, Study code: ICB/110/2020 I. Knapik, Study code: ICB/31/2021 I. Knapik, Study code: ICB/111/2020	Accepted

Annex point	Method used / deviations	Test material	Findings			GL P Y/N	Reference	Acceptability / comments
Effect of low temperatures on stability (KCP 2.7.4)	CIPAC MT 39.3 CIPAC MT 185 CIPAC MT 184	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	Low temperature stability of liquid formulations	CIPAC MT 39.3 CIPAC MT 185	After low temperature stability 0°C for 7 days – no phase separation, no sediment. After 24 h in room temperature and one invert – no phase separation, no sediment. Residue on the wet sieve – 0%	Y	I. Knapik, Study code: ICB/110/2020	Accepted
			Study	Method	Results			
			Suspensibility	CIPAC MT 184	0.10% (w/v) in Standard Water D (30±2°C): - florasulam 100% - flufenacet 89% - diflufenican 89% 0.20% (w/v) in Standard Water D (30±2°C): - florasulam 100% - flufenacet 88% - diflufenican 89%			
Ambient temperature shelf life (KCP 2.7.5)		CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	After one year:				I. Knapik, Study code: ICB/111/2020	On-going Applicant has provided a year storage stability study. All the physicochemical parameters are accepted. the package (1L bottle made of HDPE) remained intact after storage.

Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments																														
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Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments
Shelf life in months (if less than 2 years) (KCP 2.7.6)						
Wettability (KCP 2.8.1)			N/R			
Persistence of foaming (KCP 2.8.2)	CIPAC MT 47.3	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	0.10% (w/v): -after 1 minute – 0 mL - after 12 minutes – 0 mL 0.20% (w/v): -after 1 minute – 0 mL - after 12 minutes – 0 mL	Y	I. Knapik, Study code: ICB/110/2020	Accepted
Suspensibility (KCP 2.8.3.1)	CIPAC MT 184	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022	Initial: 0.10% (w/v) in Standard Water D (30±2°C): - florasulam 100% - flufenacet 92% - diflufenican 93% 0.20% (w/v) in Standard Water D (30±2°C): - florasulam 100% - flufenacet 88% - diflufenican 89% After accelerated storage:	Y	I. Knapik, Study code: ICB/110/2020 I. Knapik, Study code: ICB/111/2020 I. knapik,	Accepted

Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments
		2 Batch No: 052020	0.10% (w/v) in Standard Water D (30±2°C): - florasulam 100% - flufenacet 64% - diflufenican 96% 0.20% (w/v) in Standard Water D (30±2°C): - florasulam 101% - flufenacet 62% - diflufenican 97% After 1 year storage: 0.10% (w/v) in Standard Water D (30±2°C): - florasulam 100% - flufenacet 90% - diflufenican 90% 0.20% (w/v) in Standard Water D (30±2°C): - florasulam 100% - flufenacet 90% - diflufenican 91%		Study code: ICB/82/2021	
Spontaneity of dispersion (KCP 2.8.3.2)	CIPAC MT 160	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	Initial: Standard Water C (30±2°C): - florasulam 90% - flufenacet 90% - diflufenican 91% After accelerated storage: Standard Water C (30±2°C): - florasulam 96% - flufenacet 79% - diflufenican 94% After 1 year storage: Standard Water C (30±2°C): - florasulam 91% - flufenacet 91% - diflufenican 91%	Y	I. Knapik, Study code: ICB/110/2020 I. Knapik, Study code: ICB/31/2021 I. Knapik, Study code: ICB/111/2020	Accepted

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Dispersion stability (KCP 2.8.3.3)			N/R			
Degree of dissolution and dilution stability (KCP 2.8.4)			N/R			
Particle size distribution / nominal size range of granules (KCP 2.8.5.1.1)			N/R			
Wet sieve test (KCP 2.8.5.1.2)	CIPAC MT 185	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	Initial: Residue (sieve 75 µm) – 0% After accelerated storage: Residue (sieve 75 µm) – 0% After 1 year storage: Residue (sieve 75 µm) – 0%	Y	I. Knapik, Study code: ICB/110/2020 I. Knapik, Study code: ICB/31/2021 I. Knapik, Study code: ICB/111/2020	Accepted
Dust content (KCP 2.8.5.2.1)			N/R			

Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments
)						
Particle size of dust (KCP 2.8.5.2.2)			N/R			
Attrition (KCP 2.8.5.3)			N/R			
Hardness and integrity (KCP 2.8.5.4)			N/R			
Emulsifiability (KCP 2.8.6.1)			N/R			
Emulsion stability (KCP 2.8.6.2)			N/R			
Re-emulsifiability (KCP 2.8.6.3)			N/R			
Flowability (KCP 2.8.7.1)			N/R			
Pourability (KCP 2.8.7.2)	CIPAC MT 148.1	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2020	Initial: Residue – 3.49% After accelerated storage: Residue – 3.07% After 1 year storage: Residue – 3.40%		I. Knapik, Study code: ICB/110/2020 I. Knapik, Study code: ICB/31/2021 I. Knapik,	Accepted

Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments
		2 Batch No: 052020			Study code: ICB/111/2020	
Dustability following accelerated storage (KCP 2.8.7.3)			N/R			
Physical compatibility of tank mixes (KCP 2.9.1)			N/R			
Chemical compatibility of tank mixes (KCP 2.9.2)			N/R			
Adhesion to seeds (KCP 2.10.1)			N/R			
Distribution to seed (KCP 2.10.2)			N/R			
Other/special studies (KCP 2.11)	Efficacy Guideline 305	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration	Effectiveness of cleaning: Single rinse procedure: >99.50[%] florasulam removed from the bottle 99.67 [%] flufenacet removed from the bottle 99.76 [%] diflufenican removed from the bottle Double rinse procedure: >99.50[%] florasulam removed from the bottle 99.83 [%] flufenacet removed from the bottle	Y	I. Knapik, Study code: ICB/110/2020	Accepted

Annex point	Method used / deviations	Test material	Findings	GL P Y/N	Reference	Acceptability / comments
		period: 01.04.2022 Batch No: 052020	99.90 [%] diflufenican removed from the bottle Triple rinse procedure: >99.50[%] florasulam removed from the bottle 99.85 [%] flufenacet removed from the bottle 99.91 [%] diflufenican removed from the bottle			
	Standard Operational Procedure SPB/38	CHR/H/FDF 574 SC Date of production: 01.04.2020 Expiration period: 01.04.2022 Batch No: 052020	Stability of package: After accelerated storage: Change in packaging weight – 0.13 [%] Change in gross weight – 0.03 [%] After 1 year storage: Change in packaging weight – 0.10 [%] Change in gross weight – 0.008 [%]	Y	I. Knapik, Study code: ICB/31/2021 I. Knapik, Study code: ICB/111/2020	Accepted

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)

zRMS comment:

Based on the accelerated and ambient storage stability study all the packages made of HDPE are accepted. According to the Polish guidelines extrapolation from HDPE bottle on other rigid plastic packages are accepted for SC formulation in Poland.

Table 4.1-1:: Packaging information

Type	JAR
Material:	HDPE
size:	63/64 mm / 91.5 mm
Opening:	46 mm minimum
Closure:	screw cap with seal
Capacity	188 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-2:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	64 mm± 2 mm/130 mm ± 3 mm
Opening:	40 mm ± 2 mm
Closure:	screw cap with seal
Capacity	250 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-3:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	72 mm± 2 mm/111,8 mm ± 3 mm
Opening:	38 mm ± 2 mm
Closure:	screw cap with seal
Capacity	250 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-4:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	72±1 mm/111.8±2 mm
Opening:	38 mm
Closure:	screw cap with seal

Capacity	250 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-5:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	69 mm± 2 mm/186.5 mm ± 2 mm
Opening:	45.65± 2 mm
Closure:	screw cap with seal
Capacity	564 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-6:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	90,5 mm± 2 mm/151 mm ± 3 mm
Opening:	40,6 mm ± 2 mm
Closure:	screw cap with seal
Capacity	500 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-7:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	77,6 mm± 2 mm/160,6 mm ± 3 mm
Opening:	38 mm ± 2 mm
Closure:	screw cap with seal
Capacity	500 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-8:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	77.6 ±1 mm/160.6±2 mm
Opening:	38 mm
Closure:	screw cap with seal
Capacity	500 ml
Seal:	Induction seal

Manner of construction	extruded
UN/ADR	compliant

Table 4.1-9:: Packaging information

The jar is set in an inner box (cardboard box). The inner box is grouped into an outer box
Material: HDPE
Type of construction: jar
Size: approximate diameter/height: 80 mm/138 mm
Capacity: 510 ml overflow
Type of closure: screw-cap with seal
Size of opening: 46 mm minimum
Accessories: one measuring device per each jar

Table 4.1-10:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	145.5mm± 2 mm/78mm ± 2 mm
Opening:	56mm ± 2 mm
Closure:	screw cap with seal
Capacity	600 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-11:: Packaging information

Type	JAR
Material:	HDPE
size:	79/80 mm/ 201 mm
Opening:	46 mm minimum
Closure:	screw cap with seal
Capacity	800 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-12:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	80 mm± 2 mm/201 mm ± 2 mm
Opening:	64 mm
Closure:	screw cap with seal
Capacity	800 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-13:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	88.5 mm± 2 mm/283.5 mm ± 2 mm
Opening:	45.30 mm ± 2 mm
Closure:	screw cap with seal
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-14:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	88 mm± 4 mm/242 mm ± 6 mm
Opening:	39mm ± 2 mm
Closure:	screw cap with seal
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-15:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	238 mm± 2 mm/90mm ± 2 mm
Opening:	39 mm ± 2 mm
Closure:	screw cap with seal
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-16:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	234 mm± 2 mm/88.5mm ± 2 mm
Opening:	42 mm ± 2 mm
Closure:	screw cap with seal
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-17:: Packaging information

Type	BOTTLE
------	--------

Material:	HDPE
size:	84 mm± 2 mm/248.2 mm ± 2 mm
Opening:	50 mm ± 2 mm
Closure:	screw cap with seal
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-18:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	234 mm± 2 mm/88.5mm ± 2 mm
Opening:	42 mm ± 2 mm
Closure:	cap with seal
Capacity	1200 ± 50 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-19:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	84 ± 1.5 mm/230.1 ± 3 mm
Opening:	38 mm
Closure:	screw cap with seal
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-20:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	157,2 mm± 2 mm/101mm ± 2 mm
Opening:	72 mm ± 2 mm
Closure:	screw cap with seal
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-21:: Packaging information

Type	JAR
Material:	HDPE
size:	108/110 mm/ 266 mm

Opening:	46 mm minimum
Closure:	screw cap with seal
Capacity	2000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-22:: Packaging information

Type	CONTAINER
Material:	HDPE
size:	232 mm± 2 mm/195mm± 2 mm/130mm ± 2 mm
Opening:	50 mm ± 2 mm
Closure:	screw cap with seal
Capacity	3000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-23:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	94 ± 1 mm/103 ± 1 mm/272.5 ± 3 mm
Opening:	38 mm
Closure:	screw cap with seal
Capacity	2000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-24:: Packaging information

Type	BOTTLE
Material:	HDPE
size:	224,1 mm± 2 mm/122mm ± 2 mm
Opening:	73 mm ± 2 mm
Closure:	screw cap with seal
Capacity	2000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-25:: Packaging information

Type	CONTAINER
Material:	HDPE
size:	232 mm± 2 mm/195mm± 2 mm/130mm ± 2 mm
Opening:	50 mm ± 2 mm
Closure:	screw cap with seal

Capacity	3000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-26:: Packaging information

Type	CANNISTER
Material:	HDPE
size:	96 ± 3 mm/195 ± 3.5 mm/297.2 ± 4 mm
Opening:	38 mm
Closure:	screw cap with seal
Capacity	4000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-27:: Packaging information

Type	CONTAINER
Material:	HDPE
size:	305mm± 5 mm/193 mm± 5 mm/142 mm ± 5 mm
Opening:	59.20 mm minimum ± 5 mm
Closure:	screw cap with seal
Capacity	5850 ml±150 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-28:: Packaging information

Type	CONTAINER
Material:	HDPE
size:	336 mm± 5 mm/195mm± 5 mm/130mm ± 5 mm
Opening:	50 mm ± 5 mm
Closure:	screw cap with seal
Capacity	5000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-29:: Packaging information

Type	CONTAINER
Material:	HDPE
size:	310,5 mm± 5 mm/195mm± 5 mm/130mm ± 5 mm
Opening:	63 mm ± 5 mm
Closure:	screw cap with seal
Capacity	5000 ml

Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-30:: Packaging information

Type	CANNISTER
Material:	HDPE
size:	190 mm± 5 mm /140 mm± 5 mm/ 314 mm ± 5 mm
Opening:	54.5 mm ± 5 mm
Closure:	screw cap with seal
Capacity	5000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-31:: Packaging information

Type	CANNISTER
Material:	HDPE
size:	127±2 mm/192±2 mm/285±5 mm
Opening:	38 mm
Closure:	screw cap with seal
Capacity	5000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-32:: Packaging information

Type	CANNISTER
Material:	HDPE
size:	145±2 mm/190.8±3/294±4 mm
Opening:	38 mm
Closure:	screw cap with seal
Capacity	6000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-33:: Packaging information

Type	Description
Material:	HDPE
Size:	375mm± 5 mm/240 mm± 5 mm/179 mm ± 5 mm
Opening:	63 mm ± 5 mm
Closure:	screw cap with seal

Type	Description
Capacity	11220±50 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-34:: Packaging information

Type	Description
Material:	HDPE
Size:	312 mm± 5 mm/225mm± 5 mm/185mm ± 5 mm
Opening:	40.8 mm ± 5 mm
Closure:	screw cap with seal
Capacity	10000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-31: Packaging information for 10L container

Type	Description
Material:	HDPE
Size:	375 mm± 5 mm/230± 5 mm/165 mm ± 5 mm
Opening:	54.5 mm ± 5 mm
Closure:	screw cap with seal
Capacity	10000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-35:: Packaging information

Type	Description
Material:	HDPE
Size:	377,7 mm± 5 mm/239,5± 5 mm/178 mm ± 5 mm
Opening:	54 mm ± 5 mm
Closure:	screw cap with seal
Capacity	10000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-36:: Packaging information

Type	Description
Material:	HDPE
Size:	192±3 mm/228±7/313±7 mm
Opening:	52 mm ± 2 mm
Closure:	screw cap with seal
Capacity	10000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-37:: Packaging information

Type	Description
Material:	HDPE
Size:	185±2 mm/225±2/312±3 mm
Opening:	40.8 mm ± 0.3 mm
Closure:	screw cap with seal
Capacity	10000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-38:: Packaging information

Type	Description
Material:	HDPE
Size:	443mm/288mm/230mm
Opening:	44mm (internal) 60mm (external)
Closure:	screw cap with seal
Capacity	22000ml ± 50 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-39:: Packaging information

Type	Description
Material:	HDPE
Size:	376.3±3 mm/295±3mm/246±3mm
Opening:	50 mm ± 5 mm
Closure:	screw cap with seal
Capacity	20000 ml
Seal:	Induction seal

Type	Description
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-40:: Packaging information

Type	Description
Material:	HDPE
Size:	378±5 mm/288±5/258±5 mm
Opening:	53.7±1.5 mm
Closure:	screw cap with seal
Capacity	22000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-41:: Packaging information

Type	Description
Material:	HDPE
Size:	376±8 mm/257,5±5/376±8 mm
Opening:	52 mm± 3
Closure:	screw cap with seal
Capacity	20000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-42:: Packaging information

Type	Description
Material:	HDPE
Size:	257.5±6 mm/292±8/376±8 mm ± 5 mm
Opening:	52 mm ± 2 mm
Closure:	screw cap with seal
Capacity	20000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-43:: Packaging information

Type	Description
Material:	HDPE
Size:	90000mm/59000mm ± 2 mm
Opening:	45mm ± 2 mm

Type	Description
Closure:	screw cap with seal
Capacity	200 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

According to guideline from Ministry of Agriculture and Rural Development (*Wytyczna w sprawie zasad zatwierdzania opakowań w środkach ochrony roślin*) data of stability in the material HDPE are extrapolable to the all materials (HDPE/PA; HDPE/F; HDPE/EvOH). Therefore, no further studies are required for the additional packaging materials.

Table 4.1-44:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	50 ± 1 mm/93 ± 1 mm
Opening:	28,4 ± 0,3 mm
Closure:	screw cap with seal
Capacity	120 ml
Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-45:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	62.5±1 mm/131.3±1 mm
Opening:	45.65±3 mm
Closure:	screw cap with seal
Capacity	323 ± 5 ml
Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-46:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/PA
size:	59 ± 1 mm/143 ± 1 mm/
Opening:	41.7±0.7 mm
Closure:	screw cap with seal

Capacity	275 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-47:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/PA
size:	69 mm \pm 2 mm/186.5 mm \pm 2 mm
Opening:	45.65 \pm 3 mm
Closure:	screw cap with seal
Capacity	574 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-48:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	74 \pm 1 mm/177 \pm 1 mm/
Opening:	41.7 \pm 0.7 mm
Closure:	screw cap with seal
Capacity	550 ml
Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-49:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	88 mm \pm 2 mm/238 mm \pm 2 mm
Opening:	50 mm \pm 2 mm
Closure:	screw cap with cutter
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-50:: Packaging information

Packaging information	
Type	BOTTLE

Material:	HDPE/PA
size:	248.5±3 mm/84±1.5mm
Opening:	50 mm ± 2 mm
Closure:	screw cap with seal
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-51:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/PA
size:	234 mm± 2 mm/88.5mm ± 2 mm
Opening:	42 mm ± 2 mm
Closure:	screw cap with seal
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-52:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	238± 1 mm/88 ± 1 mm/
Opening:	41.7±0,7 mm
Closure:	screw cap with seal
Capacity	1100 ml
Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-53:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	84± 1.5 mm/248.5 ± 3 mm
Opening:	50 mm ± 3mm
Closure:	screw cap with seal
Capacity	1000 ml

Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-54:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	233.5± 1.5 mm/88.5 ± 1 mm/
Opening:	39 mm ± 2 mm
Closure:	screw cap with seal
Capacity	1100 ml
Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-55:: Packaging information

Packaging information	
Type	CONTAINER
Material:	HDPE/PA COEX
size:	305mm± 5 mm/193 mm± 5 mm/142 mm ±5 mm
Opening:	63 mm minimum ± 5 mm
Closure:	screw cap with seal
Capacity	5850 ml±150 ml
Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-56:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	193 ± 3/ 142 ± 5 mm/320 mm± 5 mm
Opening:	63,3 ± 3mm
Closure:	screw cap with seal
Capacity	5500 ml
Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-57:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/PA COEX

size:	195 ± 3/ 130 ± 5 mm/310,5 mm± 5 mm
Opening:	63,3 ± 3mm
Closure:	screw cap with seal
Capacity	5000 ml
Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-58:: Packaging information

Packaging information	
Type	CANNISTER
Material:	HDPE/PA COEX
size:	313± 5mm/190±3/140±5mm
Opening:	50 mm ± 3mm
Closure:	screw cap with seal
Capacity	5000 ml
Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-59:: Packaging information

Packaging information	
Type	CONTAINER
Material:	HDPE/PA COEX
size:	305mm/193 mm/142 mm ± 5 mm
Opening:	63 mm minimum ± 5 mm
Closure:	screw cap with seal
Capacity	10000 ml±150 ml
Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-60:: Packaging information

Packaging information	
Type	CONTAINER
Material:	HDPE/PA COEX
size:	377,7mm/178 mm/239,5 mm ± 5 mm
Opening:	54 mm min ± 5 mm

Closure:	screw cap with seal
Capacity	10000 ml±150 ml
Seal:	Induction seal
Manner of construction	coextruded
UN/ADR	compliant

Table 4.1-61:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	50 ± 1 mm/93 ± 1 mm
Opening:	28,4 ± 0,3 mm
Closure:	screw cap with seal
Capacity	120 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-62:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	63.5±1 mm/126±1 mm
Opening:	50 mm
Closure:	screw cap with seal
Capacity	318 ± 12.5 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-63:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	63.5±1 mm/126±1 mm
Opening:	50 mm
Closure:	screw cap with seal
Capacity	312 ± 12.5 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-64:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	69±1 mm/186±1.6 mm

Opening:	50 mm
Closure:	screw cap with seal
Capacity	585 ± 12.5 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-65:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	69±1 mm/186±1.6 mm
Opening:	50 mm
Closure:	screw cap with seal
Capacity	580 ± 12.5 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-66:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	69±1 mm/186±1.6 mm
Opening:	50 mm
Closure:	screw cap with seal
Capacity	575 ± 12.5 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-67:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	69±1 mm/186±1.6 mm
Opening:	50 mm
Closure:	screw cap with seal
Capacity	570 ± 12.5 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-68:: Packaging information

Type	BOTTLE
Material:	HDPE/F

size:	88.5±1 mm/233.2±1.6 mm
Opening:	50 mm
Closure:	screw cap with seal
Capacity	1150 ± 20 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-69:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	88.5±1 mm/233.2±1.6 mm
Opening:	50 mm
Closure:	screw cap with seal
Capacity	1160 ± 20 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-70:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	88.5±1 mm/233.2±1.6 mm
Opening:	50 mm
Closure:	screw cap with seal
Capacity	1185 ± 20 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-71:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	88.5±1 mm/233.2±1.6 mm
Opening:	50 mm
Closure:	screw cap with seal
Capacity	1200 ± 20 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-72:: Packaging information

Type	Cannister
Material:	HDPE/F
size:	193±2 mm/142±2mm/305±3mm
Opening:	50 mm
Closure:	screw cap with seal

Capacity	5880 ± 100 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-73:: Packaging information

Type	Cannister
Material:	HDPE/F
size:	193±2 mm/142±2mm/305±3mm
Opening:	63 mm
Closure:	screw cap with seal
Capacity	5880 ± 100 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-74:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	297,3mm/193 mm/142 mm ± 2 mm
Opening:	54,2 mm ± 1 mm
Closure:	screw cap with seal
Capacity	5950 ml ± 100 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-75:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	297,3mm/193 mm/142 mm ± 2 mm
Opening:	63.4 mm min ± 1 mm
Closure:	screw cap with seal
Capacity	5950 ml ± 100 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-76:: Packaging information

Type	BOTTLE
Material:	HDPE/F
size:	297,3mm/193 mm/142 mm ± 2 mm
Opening:	67,5 mm ± 1 mm
Closure:	screw cap with seal
Capacity	5950 ml ± 100 ml

Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-77:: Packaging information

Type	CANNISTER
Material:	HDPE/F
size:	297,3mm/193 mm/142 mm \pm 2 mm
Opening:	54,2 mm min \pm 1 mm
Closure:	screw cap with seal
Capacity	5950 ml \pm 100 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-78:: Packaging information

Type	CANNISTER
Material:	HDPE/F
size:	297,3mm/193 mm/142 mm \pm 2 mm
Opening:	63,4 mm min \pm 1 mm
Closure:	screw cap with seal
Capacity	5950 ml \pm 100 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-79:: Packaging information

Type	CANNISTER
Material:	HDPE/F
size:	297,3mm/193 mm/142 mm \pm 2 mm
Opening:	67,5 mm min \pm 1 mm
Closure:	screw cap with seal
Capacity	5950 ml \pm 100 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-80:: Packaging information

Type	Cannister
Material:	HDPE/F
size:	240 \pm 2 mm/179 \pm 2mm/375 \pm 3mm
Opening:	63 mm
Closure:	screw cap with seal
Capacity	10 000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-81:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/EvOH
Body diameter / total height:	48,50 +- 1 ,00 / 95,50 +- 1,00
External thread diameter:	27,3 +- 0,15
Closure:	screw cap with seal
Capacity	100 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	N/A

Table 4.1-82:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/EvOH
Body diameter / total height:	62,50 +- 0,50 / 126,50 +- 1,50
External thread diameter:	49,65 +- 0,35
Closure:	screw cap with seal
Capacity	250 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	N/A

Table 4.1-83:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/EvOH
Body diameter / total height:	59 +- 1 mm / 143 +- 1 mm
External thread diameter:	41.7 +- 0,4 mm
Closure:	screw cap with seal
Capacity	310 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	N/A

Table 4.1-84:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/EvOH
size:	69 mm± 2 mm/186.5 mm ± 2 mm
Opening:	42±3 mm
Closure:	screw cap with cutter
Capacity	500 ml
Seal:	Induction seal

Manner of construction	extruded
UN/ADR	compliant

Table 4.1-85:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/EvOH
size:	65 mm/234.8 mm \pm 2 mm
Opening:	27.4 mm
Closure:	screw cap with seal
Capacity	500 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-86:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/EvOH
size:	69 mm \pm 1 mm/190 mm \pm 1.5 mm
Opening:	49.5 mm \pm 0.3 mm
Closure:	screw cap with seal
Capacity	579 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-87:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/EvOH
size:	234 \pm 3 mm/88.5 \pm 2mm
Opening:	50 mm \pm 3 mm
Closure:	screw cap with cutter
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-88:: Packaging information

Packaging information	
Type	BOTTLE
Material:	HDPE/EvOH

size:	242±1.5 mm/88.5±1mm
Opening:	49.5 mm ± 0.3 mm
Closure:	screw cap with cutter
Capacity	1200± 50 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-89:: Packaging information

Packaging information	
Type	CONTAINER
Material:	HDPE/EvOH
size:	165 mm ± 2 mm/195 mm ± 2 mm/228mm± 2 mm
Opening:	48 mm ± 2 mm
Closure:	screw cap with cutter
Capacity	5000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-90:: Packaging information

Packaging information	
Type	CANNISTER
Material:	HDPE/EvOH
size:	142 mm ± 1.5 mm/193 mm ± 2 mm/307mm± 3 mm
Opening:	63.3 mm ± 0.3 mm
Closure:	screw cap with cutter
Capacity	5650 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-91:: Packaging information

Packaging information	
Type	CONTAINER
Material:	HDPE/EvOH
size:	195 mm ± 2 mm/225mm± 2 mm/306mm± 2 mm
Opening:	48 mm ± 2 mm
Closure:	screw cap with cutter
Capacity	10000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

Table 4.1-92:: Packaging information

Packaging information	
Type	CONTAINER
Material:	HDPE/EvOH
size:	375 mm \pm 2 mm/290mm \pm 2 mm/245mm \pm 2 mm
Opening:	85mm \pm 2 mm
Closure:	screw cap with cutter
Capacity	20000 ml
Seal:	Induction seal
Manner of construction	extruded
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 2.3.1 KCP 2.3.2 KCP 2.4.1 KCP 2.4.2 KCP 2.5.2 KCP 2.6.1 KCP 2.7.1 KCP 2.7.3 KCP 2.7.4 KCP 2.7.5 KCP 2.8.2 KCP 2.8.3.1 KCP 2.8.3.2 KCP 2.8.5.1.2 KCP 2.8.7.2 KCP 2.11	I. Knapik	2021	Determination of physicochemical properties Study code: ICB/110/2020 ICB Pharma, Lema 10, Street, 43-600, Jaworzno, POLAND GLP Unpublished	N	Chemirol Sp. z o.o.
KCP 2.1 KCP 2.4.1 KCP 2.4.2 KCP 2.7.1 KCP 2.7.3 KCP 2.8.3.2	I. Knapik	2021	Determination of physicochemical properties after accelerated storage test Study code: ICB/31/2021 ICB Pharma, Lema 10, Street, 43-600, Jaworzno, POLAND GLP Unpublished	N	Chemirol Sp. z o.o.

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 2.8.5.1.2 KCP 2.8.7.2 KCP 2.11					
KCP 2.1 KCP 2.4.1 KCP 2.4.2 KCP 2.7.3 KCP 2.7.5 KCP 2.8.3.1 KCP 2.8.3.2 KCP 2.8.5.1.2 KCP 2.8.7.2 KCP 2.11	I. Knapik	2021	Determination of physicochemical properties after shelf-life test Study code: ICB/111/2020 ICB Pharma, Lema 10, Street, 43-600, Jaworzno, POLAND GLP Unpublished	N	Chemirol Sp. z o.o.
KCP 2.7.1 KCP 2.8.3.1	I. Knapik	2021	Determination of physicochemical properties after shelf-life test Study code: ICB/82/2021 ICB Pharma, Lema 10, Street, 43-600, Jaworzno, POLAND GLP Unpublished	N	Chemirol Sp. z o.o.
KCP 2.2.1	D. Buczkowski	2021	CHR/H/FDF 574 SC Determination of explosives properties Study code: BW-02/21 Łukasiewicz Research Network – Institute of Industrial Organic Chemistry, 6 Annopol St., 03-236 Warsaw, Poland GLP Unpublished	N	Chemirol Sp. z o.o.

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 2.5.1	E. Arevalo	2021	CHR/H/FDF 574 SC Viscosity determination Study code: BF-02/21 Łukasiewicz Research Network – Institute of Industrial Organic Chemistry, 6 Annopol St., 03-236 Warsaw, Poland GLP Unpublished	N	Chemirol sp. z o.o.
KCP 2.2.2 KCP 2.3.3	P. Flasińska	2021	CHR/H/FDF 574 SC Determination of auto-ignition temperature and oxidizing properties Study code: BC-04/21 Łukasiewicz Research Network – Institute of Industrial Organic Chemistry, 6 Annopol St., 03-236 Warsaw, Poland GLP Unpublished	N	Chemirol Sp. z o.o.

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