

# **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/DIK 480 SL

Product name(s): Macamba 480 SL, Dikambin 480 SL

Chemical active substance(s):

Dicamba, 480 g/L

Central Zone

Zonal Rapporteur Member State: Poland

**CORE ASSESSMENT**  
(authorization)

Applicant: Innvigo Sp. z o.o.

Submission date: 08/2022

**MS Finalisation date: 16/06/2023**

## Version history

When	What
01/2023	Dossier sent for evaluation
04/2023	zRMS evaluation of dRR
06/2023	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 available for the plant protection product and the contained technical active substance(s).

Noticed data gaps are: The two years storage stability study is on-going. It has be assessed in the post registration at national level.

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

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

Name: Innvigo Sp. z o.o.  
Address: Innvigo Sp. z o.o.  
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 Dicamba**

According to the *Dicamba SANCO/829/08 – final rev. 2 12 July 2016*  
Dicamba min. 850 g/kg

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

Trade name: Macamba 480 SL, Dikambin 480 SL

Company code number: CHR/H/DIK 480 SL

### **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)	FAO Limits (min – max) g/L	Technical content* (g/L)	Technical content** (%w/w)
Dicamba	480	456-504	465-514	41.48%

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

\*\* Based on the density of the formulation = 1.1572 g/ml (Note: only applies if a liquid formulation)

**Table 1.4-2: Safener and synergists**

Safener / synergist	Declared content of the safener / synergist (g/L or g/kg)	FAO Limits (min – max)	Technical content* (g/L or g/kg)	Technical content** (%w/w)
N/A				

\* Based on the minimum purity of the safener/synergist declared for registration

**Table 1.4-3: Relevant impurities**

Relevant impurity	Maximum content (g/L or g/kg)
Confidential information or data are provided separately (Part C).	

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

**Table 1.4-4a: Information on Dicamba**

Type	Name/Code Number	
ISO common name	Dicamba	N/A
CAS No.	1918-00-9	
EC No.	<del>EINECS</del> 217-635-6	
CIPAC No.	85	

## 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]

## 1.6 Function (KCP 1.6)

Herbicide in the form of soluble concentrate

## **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 homogenous white liquid of characteristic odour. It is not explosive, has no oxidising properties. The product is not flammable. It has not an auto-ignition temperature up to the boiling point. In aqueous solution, it has a pH value around 6.27-7.56 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 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 *SL* formulation.

Two years stability studies are ongoing.

The intended concentration of use is 0.15-0.3% .

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

No Classification is necessary

### **Notifier Proposals for Risk and Safety Phrases (KCP 12)**

Not required

### **Compliance with FAO specifications:**

The product CHR/H/DIK 480 SL complies with FAO specifications.

### **Formulation used for tests**

CHR/H/DIK 480 SL  
Batch No.: 012021  
Prod. Date: 01.2021

**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)	OPPTS 830.6302, 830.6303 and 830.6304	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	<b>Initial preparation:</b> Colour to Gardner's scale – 3.6 Physical state – liquid Odour – delicate, characteristic <b>After accelerated storage:</b> Colour to Gardner's scale – 3.6 Physical state – liquid Odour – delicate, characteristic	Y	I. Knapik, Study code: ICB/76/2021	Acceptable
Explosive properties (KCP 2.2.1)	EC A.14	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	CHR/H/DIK 480 SL does not have explosive properties according to the criteria of EC A.14.method.		D. Buczkowski, Study code: BW-03/22	Acceptable Remarks: The formulation is considered not explosive in the sense of CLP 1272/2008/EC, based on the components of formulation.
Oxidizing properties (KCP 2.2.2)	SPO/BC/05/b "Determination of oxidizing properties for liquid" (this method corresponds to method A21)	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	CHR/H/DIK 480 SL has not got the oxidizing properties according to EC A21 method.	Y	P. Flasińska, Study code: BC-12/22	Acceptable Remarks: The formulation is considered not oxidizing in the sense of CLP 1272/2008/EC, based on the components of formulation.

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Flash point (KCP 2.3.1)	EEC A.9	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	Flash point was not observed.	Y	I. Knapik, Study code: ICB/76/2021	Acceptable
Flammability (KCP 2.3.2)			Since CHR/H/DIK 480 SL is a soluble concentrate (SL) which is based mainly on water suspension, it is not expected to be flammable.			Acceptable Remarks: Not relevant, because the formulation is a liquid.
Self-heating (KCP 2.3.3)	EC A.15	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	CHR/H/DIK 480 SL has got auto-ignition temperature: 495°C according to EC a.15 method	Y	P. Flasińska, Study code: BC-12/22	Acceptable
Acidity or alkalinity and pH (KCP 2.4.1)	CIPAC MT 75.3	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	<b>Initial preparation</b> pH=7.56 <b>After accelerated storage at 54°C</b> pH=7.30	Y	I. Knapik, Study code: ICB/76/2021	Acceptable
pH of a 1% aqueous dilution, emulsion or dispersion (KCP 2.4.2)	CIPAC MT 75.3	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	<b>Initial preparation</b> (1% aqueous dilution) pH=6.327 at 20.0°C <b>After accelerated storage at 54°C</b> (1% aqueous dilution) pH=6.25 at 20.1°C	Y	I. Knapik, Study code: ICB/76/2021	Acceptable



Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Viscosity (KCP 2.5.1)	OECD 114	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	The kinematic viscosity at 20.00°C is equals to 5.6283 mm <sup>2</sup> /s (6.5288 mPa-s – dynamic viscosity) and The kinematic viscosity at 40.00°C is equals to 2.9534 mm <sup>2</sup> /s (..... mPa-s – dynamic viscosity)	Y	E. Arevalo, Study code: 58-21	Acceptable Remarks: The dynamic viscosity is required in this study. The dynamic viscosity for 40.00°C must be calculated and the temperature used for the determination of both viscosity and density should be identical.
Surface tension (KCP 2.5.2)	EEC A. 5	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	Undiluted – 46.79 [mN/m] at 24.9 °C 0.15% (v/v) – 69.69 [mN/m] 0.30% (v/v) – 66.05 [mN/m]	Y	I. Knapik, Study code: ICB/76/2021	Acceptable Remarks: The formulation is surface active.
Relative density (KCP 2.6.1)	EEC A.3	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	1.1572 (1.16 g/cm <sup>3</sup> ) at 20.00°C	Y	I. Knapik, Study code: ICB/76/2021	Acceptable
Bulk density (KCP 2.6.2)	N/A		N/A		Not relevant for SL formulation	N/A

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments																								
Storage Stability after 14 days at 54° C (KCP 2.7.1)	CIPAC MT 46	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	<table><tr><th colspan="3">Table 2. Physicochemical properties of the test item – after accelerated storage test.</th></tr><tr><th>Study</th><th>Method</th><th>Results</th></tr><tr><td>Accelerated storage test</td><td>CIPAC MT 46.3</td><td>Accelerated storage test (14 days at 54°C)</td></tr><tr><td>Appearance</td><td>OPPTS 830.6302, 830.6303 and 830.6304</td><td>Colour to Gardner’s scale – 3.6 Physical state – liquid Odour – delicate, characteristic</td></tr><tr><td>pH</td><td>CIPAC MT 75.3</td><td>1% (w/v) solution – 6.25 Undiluted – 7.30</td></tr><tr><td>Dilution stability</td><td>CIPAC MT 41.1</td><td>Concentration 0.15% (v/v) in 30±2°C Time Standard Water D 30 minutes Homogeneous solution 24 h Homogeneous solution  Concentration 0.30% (v/v) in 30±2°C Time Standard Water D 30 minutes Homogeneous solution 24 h Homogeneous solution</td></tr><tr><td>Stability of package</td><td>Standard Operational Procedure SPB/38</td><td>Change in packaging weight – 0.19 [%] Change in gross weight – 0.03 [%]</td></tr><tr><td>Content of dicamba</td><td>Standard Operational Procedure SPB/227</td><td>dicamba – 460.81g/L</td></tr></table>	Table 2. Physicochemical properties of the test item – after accelerated storage test.			Study	Method	Results	Accelerated storage test	CIPAC MT 46.3	Accelerated storage test (14 days at 54°C)	Appearance	OPPTS 830.6302, 830.6303 and 830.6304	Colour to Gardner’s scale – 3.6 Physical state – liquid Odour – delicate, characteristic	pH	CIPAC MT 75.3	1% (w/v) solution – 6.25 Undiluted – 7.30	Dilution stability	CIPAC MT 41.1	Concentration 0.15% (v/v) in 30±2°C Time Standard Water D 30 minutes Homogeneous solution 24 h Homogeneous solution  Concentration 0.30% (v/v) in 30±2°C Time Standard Water D 30 minutes Homogeneous solution 24 h Homogeneous solution	Stability of package	Standard Operational Procedure SPB/38	Change in packaging weight – 0.19 [%] Change in gross weight – 0.03 [%]	Content of dicamba	Standard Operational Procedure SPB/227	dicamba – 460.81g/L	Y	I. Knapik, Study code: ICB/76/2021	Acceptable Remarks: The formulation is considered to be stable upon accelerated storage.
Table 2. Physicochemical properties of the test item – after accelerated storage test.																														
Study	Method	Results																												
Accelerated storage test	CIPAC MT 46.3	Accelerated storage test (14 days at 54°C)																												
Appearance	OPPTS 830.6302, 830.6303 and 830.6304	Colour to Gardner’s scale – 3.6 Physical state – liquid Odour – delicate, characteristic																												
pH	CIPAC MT 75.3	1% (w/v) solution – 6.25 Undiluted – 7.30																												
Dilution stability	CIPAC MT 41.1	Concentration 0.15% (v/v) in 30±2°C Time Standard Water D 30 minutes Homogeneous solution 24 h Homogeneous solution  Concentration 0.30% (v/v) in 30±2°C Time Standard Water D 30 minutes Homogeneous solution 24 h Homogeneous solution																												
Stability of package	Standard Operational Procedure SPB/38	Change in packaging weight – 0.19 [%] Change in gross weight – 0.03 [%]																												
Content of dicamba	Standard Operational Procedure SPB/227	dicamba – 460.81g/L																												
Stability after storage for other periods and/or temperatures (KCP 2.7.2)	N/A		N/A		N/A	N/A																								
Minimum content after heat stability testing (KCP 2.7.3)	HPLC	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	After accelerated storage: Dicamba – 460.81 g/L	Y	I. Knapik, Study code: ICB/76/2021	Acceptable																								

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Effect of low temperatures on stability (KCP 2.7.4)	CIPAC MT 39.1	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	After low temperature stability 0°C for 7 days – no phase separation, trace of sediment at the bottom. After 24 h in room temperature and one invert – no phase separation, trace of sediment at the bottom.	Y	I. Knapik, Study code: ICB/76/2021	Acceptable Remarks: The formulation is stable at temperatures below 0°C for 7 days.
Ambient temperature shelf life (KCP 2.7.5)			The two years storage stability study is on-going.			
Shelf life in months (if less than 2 years) (KCP 2.7.6)	N/A		N/A			N/A
Wettability (KCP 2.8.1)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Persistence of foaming (KCP 2.8.2)	CIPAC MT 47.3	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	Initial preparation: 0.15% (w/v): -after 1 minute – 0 mL - after 12 minutes – 0 mL 0.30% (w/v): -after 1 minute – 0 mL - after 12 minutes – 0 mL	Y	I. Knapik, Study code: ICB/76/2021	Acceptable
Suspensibility (KCP 2.8.3.1)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Spontaneity of dispersion (KCP 2.8.3.2)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Dispersion stability (KCP 2.8.3.3)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Degree of dissolution and dilution stability (KCP 2.8.4)	CIPAC MT 41.1	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	<b>Initial preparation:</b> Concentration 0.15% (v/v) in 30±2°C Standard Water D 30 minutes - Homogeneous solution 24 h - Homogeneous solution Concentration 0.30% (v/v) in 30±2°C Standard Water D 30 minutes - Homogeneous solution 24 h - Homogeneous solution  <b>After accelerated storage::</b> Concentration 0.15% (v/v) in 30±2°C Standard Water D 30 minutes- Homogeneous solution 24 h - Homogeneous solution Concentration 0.30% (v/v) in 30±2°C Standard Water D 30 minutes - Homogeneous solution 24 h - Homogeneous solution		I. Knapik, Study code: ICB/76/2021	Acceptable
Particle size distribution / nominal size range of granules (KCP 2.8.5.1.1)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Wet sieve test (KCP 2.8.5.1.2)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Dust content (KCP 2.8.5.2.1)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Particle size of dust (KCP 2.8.5.2.2)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Attrition (KCP 2.8.5.3)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Hardness and integrity (KCP 2.8.5.4)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Emulsifiability (KCP 2.8.6.1)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Emulsion stability (KCP 2.8.6.2)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Re-emulsifiability (KCP 2.8.6.3)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Flowability (KCP 2.8.7.1)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Pourability (KCP 2.8.7.2)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Dustability following accelerated storage (KCP 2.8.7.3)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Physical compatibility of tank mixes (KCP 2.9.1)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A

Annex point	Method used / deviations	Test material	Findings	GLP Y/N	Reference	Acceptability / comments
Chemical compatibility of tank mixes (KCP 2.9.2)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Adhesion to seeds (KCP 2.10.1)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Distribution to seed (KCP 2.10.2)	N/A		N/A-Not relevant for SL formulation		Not relevant for SL formulation	N/A
Other/special studies (KCP 2.11)	EFFECTIVENESS OF CLEANIG – EFFICACY GUIDELINE 305	CHR/H/DIK 480 SL Batch No.: 012021 Prod. Date: 01.2021	Single rinse procedure: 99.97 [%] dicamba removed from the bottle Double rinse procedure: >99.99 [%] dicamba removed from the bottle Triple rinse procedure: >99.99 [%] dicamba removed from the bottle	Y	I. Knapik, Study code: ICB/76/2021	Acceptable
	STABILITY OF PACK-AGE -		After accelerated storage: Change in packaging weight – 0.19 [%] Change in gross weight – 0.03 [%]	Y		Acceptable

### 3 Section 3 is presented as a separate document

All relevant data is presented in “dRR Part B3”.

## 4 Section 4: Further information on the plant protection product

### 4.1 Packaging and Compatibility with the Preparation (KCP 4.4)

**Table 4.1-1: Packaging information**

Packaging information for 250ml BOTTLE	
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 4.1-2: Packaging information**

Packaging information for 250ml BOTTLE	
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 4.1-3: Packaging information**

Packaging information for 500g bottle	
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 4.1-4: Packaging information**

Packaging information for 500g bottle	
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 4.1-5: Packaging information**

Packaging information for 500g bottle	
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 4.1-6: Packaging information**

Packaging information for 500g bottle	
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 4.1-7: Packaging information**

Packaging information	
Type	JAR
Material:	HDPE
size: approximate diameter/height	79/80 mm / 138 mm
Opening:	46 mm minimum
Closure:	screw cap with seal
Capacity	510 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant



**Table 4.1-8: Packaging information**

Packaging information	
Type	JAR
Material:	HDPE
size: approximate diameter/height	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 4.1-9: Packaging information**

Packaging information for 800ml BOTTLE	
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 4.1-10: Packaging information**

Packaging information for 1000ml BOTTLE	
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 4.1-11: Packaging information**

Packaging information for 1000ml BOTTLE	
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 4.1-12: Packaging information**

Packaging information for 1000ml BOTTLE	
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 4.1-13: Packaging information**

Packaging information for 1000ml BOTTLE	
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 4.1-14: Packaging information**

Packaging information for 1000ml BOTTLE	
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 4.1-15: Packaging information**

Packaging information for 1000ml BOTTLE	
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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 4.1-16: Packaging information**

Packaging information for 1000ml BOTTLE	
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 4.1-17: Packaging information**

Packaging information for 1000ml BOTTLE	
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 4.1-18: Packaging information**

Packaging information	
Type	JAR
Material:	HDPE
size: approximate diameter/height	108/110mm / 266 mm
Opening:	46 mm minimum
Closure:	screw cap with seal
Capacity	2 000 ml
Seal:	Induction seal
Manner of construction	extruded

UN/ADR	compliant
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**Table 4.1-19: Packaging information**

Packaging information for 3000ml CONTAINER	
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 4.1-20: Packaging information**

Packaging information for 2000ml BOTTLE	
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 4.1-21: Packaging information**

Packaging information for 4000ml CANNISTER	
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 4.1-22: Packaging information**

Packaging information for 2000ml BOTTLE	
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 4.1-23: Packaging information**

Packaging information for 5000ml CONTAINER	
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 4.1-24: Packaging information**

Packaging information for 5000ml CONTAINER	
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 4.1-25: Packaging information**

Packaging information for 5000ml CONTAINER	
Type	CONTAINER
Material:	HDPE
size:	336 mm± 5 mm/195mm± 5 mm/130mm ± 5 mm

Opening:	50 mm $\pm$ 5 mm
Closure:	screw cap with seal
Capacity	5000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-26: Packaging information**

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

**Table 4.1-27: Packaging information**

Packaging information for 5000ml CONTAINER	
Type	CONTAINER
Material:	HDPE
size:	310,5 mm $\pm$ 5 mm/195mm $\pm$ 5 mm/130mm $\pm$ 5 mm
Opening:	63 mm $\pm$ 5 mm
Closure:	screw cap with seal
Capacity	5000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-28: Packaging information**

Packaging information for 5000ml CANNISTER	
Type	CANNISTER
Material:	HDPE
size:	127 $\pm$ 2 mm/192 $\pm$ 2 mm/285 $\pm$ 5 mm

Opening:	38 mm
Closure:	screw cap with seal
Capacity	5000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-29: Packaging information**

Packaging information for 5000ml CANNISTER	
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 4.1-30: Packaging information**

Packaging information for 5000ml BOTTLE	
Type	BOTTLE
Material:	HDPE
size:	231,5mm± 5 mm193mm ± 5 mm
Opening:	115 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**

Packaging information for 10000ml CONTAINER	
Type	CONTAINER
Material:	HDPE
size:	375mm± 5 mm/240 mm± 5 mm/179 mm ± 5 mm
Opening:	63 mm ± 5 mm
Closure:	screw cap with seal
Capacity	11220±50 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-32: Packaging information**

Packaging information for 10000ml CONTAINER	
Type	CONTAINER
Material:	HDPE
size:	375mm± 5 mm/240 mm± 5 mm/179 mm ± 5 mm
Opening:	63 mm ± 5 mm
Closure:	screw cap with seal
Capacity	11220±50 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-33: Packaging information**

Packaging information for 10000ml CONTAINER	
Type	CONTAINER
Material:	HDPE
size:	375mm± 5 mm/240 mm± 5 mm/179 mm ± 5 mm
Opening:	63 mm ± 5 mm
Closure:	screw cap with seal
Capacity	11220±50 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-34: Packaging information**

Packaging information for 10000ml CONTAINER	
Type	CONTAINER
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**

Packaging information for 10000ml CONTAINER	
Type	CONTAINER
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**

Packaging information for 10000ml CANNISTER	
Type	CANNISTER
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**

Packaging information for 10000ml CANNISTER	
Type	CANNISTER
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**

Packaging information for 20000ml CONTAINER	
Type	CONTAINER
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**

Packaging information for 20000ml CONTAINER	
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Type	CONTAINER
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 4.1-40: Packaging information**

Packaging information for 20000ml CONTAINER	
Type	CONTAINER
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
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-41: Packaging information**

Packaging information for 20000ml CONTAINER	
Type	CONTAINER
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 4.1-42: Packaging information**

Packaging information for 20000ml CONTAINER	
Type	CONTAINER
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
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**Table 4.1-43: Packaging information**

Packaging information for 20000ml CANNISTER	
Type	CANNISTER
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

According to guideline from Ministry of Agriculture and Rural Development (*Wytyczna w sprawie zasad zatwierdzania opakowań w środkach ochrony roślin*) storage stability study can be extrapolated to new packaging material HDPE/PA, HDPE/F, HDPE/EvOH from provided and evaluated storage stability studies of packing HDPE. Therefore, no further studies are required for the additional packaging materials.

**Table 4.1-44: Packaging information**

Packaging information for 250 ml BOTTLE	
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 4.1-45: Packaging information**

Packaging information for 250 ml BOTTLE	
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 4.1-46: Packaging information**

Packaging information for 250 ml BOTTLE	
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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	extruded
UN/ADR	compliant

**Table 4.1-47: Packaging information**

Packaging information for 500 ml BOTTLE	
Type	BOTTLE
Material:	HDPE/PA
size:	69 mm ± 2 mm/186.5 mm ± 2 mm
Opening:	45.65±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 for 500 ml BOTTLE	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	74± 1 mm/177 ± 1 mm/
Opening:	41.7±0.7 mm
Closure:	screw cap with seal
Capacity	550 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-49: Packaging information**

Packaging information for 500 ml BOTTLE	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	74± 1 mm/177 ± 1 mm/
Opening:	41.7±0.7 mm
Closure:	screw cap with seal
Capacity	550 ml
Seal:	Induction seal
Manner of construction	extruded

UN/ADR	compliant
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**Table 4.1-50: Packaging information**

Packaging information for 1000 ml BOTTLE	
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	extruded
UN/ADR	compliant

**Table 4.1-51: Packaging information**

Packaging information for 1000 ml BOTTLE	
Type	BOTTLE
Material:	HDPE/PA
size:	248.5 $\pm$ 3 mm/84 $\pm$ 1.5mm
Opening:	50 mm $\pm$ 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 for 1000 ml BOTTLE	
Type	BOTTLE
Material:	HDPE/PA
size:	248.5 $\pm$ 3 mm/84 $\pm$ 1.5mm
Opening:	50 mm $\pm$ 5 mm
Closure:	screw cap with seal
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-53: Packaging information**

Packaging information for 1000 ml BOTTLE	
Type	BOTTLE
Material:	PE-PA
size:	234 mm $\pm$ 2 mm/88.5mm $\pm$ 2 mm

Opening:	42 mm $\pm$ 2 mm
Closure:	screw cap with seal
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-54: Packaging information**

Packaging information for 1000 ml BOTTLE	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	238 $\pm$ 1 mm/88 $\pm$ 1 mm/
Opening:	41.7 $\pm$ 0,7 mm
Closure:	screw cap with seal
Capacity	1100 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-55: Packaging information**

Packaging information for 1000 ml BOTTLE	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	84 $\pm$ 1.5 mm/248.5 $\pm$ 3 mm
Opening:	50 mm $\pm$ 3mm
Closure:	screw cap with seal
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-56: Packaging information**

Packaging information for 1000 ml BOTTLE	
Type	BOTTLE
Material:	HDPE/PA COEX
size:	233.5 $\pm$ 1.5 mm/88.5 $\pm$ 1 mm/
Opening:	39 mm $\pm$ 2 mm
Closure:	screw cap with seal
Capacity	1100 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-57: Packaging information**

Packaging information for 1000 ml BOTTLE	
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	extruded
UN/ADR	compliant

**Table 4.1-58: Packaging information**

Packaging information for 5000 ml CONTAINER	
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	extruded
UN/ADR	compliant

**Table 4.1-59: Packaging information**

Packaging information for 5000 ml BOTTLE	
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	extruded
UN/ADR	compliant

**Table 4.1-60: Packaging information**

Packaging information for 5000 ml BOTTLE	
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	extruded
UN/ADR	compliant

**Table 4.1-61: Packaging information**

Packaging information for 5000 ml CANNISTER	
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	extruded
UN/ADR	compliant

**Table 4.1-62: Packaging information**

Packaging information for 10000 ml CONTAINER	
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	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	318 ± 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:	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 4.1-65: Packaging information**

Type	BOTTLE
Material:	HDPE/F
size:	69±1 mm/186±1.6 mm
Opening:	50 mm
Closure:	screw cap with seal
Capacity	570 ± 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	580 ± 12.5 ml
Seal:	Induction seal
Manner of construction	extruded

UN/ADR	compliant
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**Table 4.1-68: 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 4.1-69: 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	1150 ± 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	1160 ± 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	1170 ± 20 ml
Seal:	Induction seal

Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-72: 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 4.1-73: 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 4.1-74: 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 4.1-75: 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 4.1-76: Packaging information**

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

**Table 4.1-77: Packaging information**

Type	BOTTLE
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 4.1-78: Packaging information**

Type	BOTTLE
Material:	HDPE/F
size:	297,3mm/193 mm/142 mm $\pm$ 2 mm
Opening:	67,5 mm $\pm$ 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:	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 4.1-80: 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 4.1-81: 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 4.1-82: 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 4.1-83: Packaging information**

Packaging information for 250ml BOTTLE	
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 4.1-84: Packaging information**

Packaging information for 250ml BOTTLE	
Type	BOTTLE
Material:	COEX / 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 4.1-85: Packaging information**

Packaging information for 500 ml BOTTLE	
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 4.1-86: Packaging information**

Packaging information for 500 ml BOTTLE	
Type	BOTTLE
Material:	HDPE/EVOH
size:	65 mm/234.8 mm ± 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 4.1-87: Packaging information**

Packaging information for 500 ml BOTTLE	
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 4.1-88: Packaging information**

Packaging information for 1000 ml BOTTLE	
Type	BOTTLE
Material:	HDPE/EvOH
size:	234 $\pm$ 3 mm/88.5 $\pm$ 2mm
Opening:	42 mm $\pm$ 2 mm
Closure:	screw cap with cutter
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-89: Packaging information**

Packaging information for 1000 ml BOTTLE	
Type	BOTTLE
Material:	HDPE/EvOH
size:	234 $\pm$ 3 mm/88.5 $\pm$ 2mm
Opening:	42 mm $\pm$ 2 mm
Closure:	screw cap with cutter
Capacity	1000 ml
Seal:	Induction seal
Manner of construction	extruded
UN/ADR	compliant

**Table 4.1-90: Packaging information**

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

**Table 4.1-91: Packaging information**

Packaging information for 1000 ml BOTTLE	
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 4.1-92: Packaging information**

Packaging information for 5000 ml CONTAINER	
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 4.1-93: 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 4.1-94: Packaging information**

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

**Table 4.1-95: Packaging information**

Packaging information for 20000 ml CONTAINER	
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 2.2.1	D. Buczkowski	2022	CHR/H/DIK 480 SL Determination of explosive properties BW-03/22 Łukasiewicz Research Network – Institute of Industrial Organic Chemistry, 6 Annopol St., 03-236 Warsaw, Poland GLP Unpublished	N	Chemiroł Sp. z o.o.
KCP 2.2.2 KCP 2.3.3	P. Flasińska	2022	CHR/H/DIK 480 SL Determination of auto-ignition temperature and oxidizing properties BC-12/22 Łukasiewicz Research Network – Institute of Industrial Organic Chemistry, 6 Annopol St., 03-236 Warsaw, Poland GLP Unpublished	N	Chemiroł Sp. z o.o.
KCP 2.5.1	E. Arevalo	2021	CHR/H/DIK 480 SL Viscosity determination BF-58/21 Łukasiewicz Research Network – Institute of Industrial Organic Chemistry, 6 Annopol St., 03-236 Warsaw, Poland GLP Unpublished	N	Chemiroł Sp. z o.o.
KCP 2.1 KCP 2.3.1 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 2.8.2 KCP 2.8.4 KCP 2.11	I. Knapik	2021	Determination of physicochemical properties ICB/76/2021 ICB Pharma, 10 Lema Street, 43-600, Jaworzno, POLAND GLP Unpublished	N	Chemiroł Sp. z o.o.

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

### **A 2.1                Dicamba**

No new data