List of critical imports

№	Name of the pharmaceutical substance	INN in latin	HS code (10 signs)	Manufacturer, country	Demand in a year
1	Potassium orotat	Potassium orotat	2933599500	Noveon, USA	200 kg
2	Procainamide (Novocainamide)	Procainamide	2922498500	Organika a.s., Russian Federation	56 kg
3	Promedol	Trimeperidine	2933330009	State enterprise Chemical Technology Research, Ukraine	20 kg
4	Sufentanil citrate	Sufentanil	2933330009	Macfarlan Smith Limited, UK	15 g
5	Tetrahydrozoli hydrochloride	Tetrahydrozoline hydrochloride	2933499000	PCAS Finland Oy, Finland	0,5 kg
6	Fentanyl	Fentanyl	2933330009	Macfarlan Smith Limited, UK	65 g

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GUD UFSK	With. 2of 3
POTASSIUM ORO	гате

Manufacturer: Noveon, USA

Provider: <u>According to the list of approved suppliers</u>
Selection is carried out in accordance with: <u>SOP-0.2200.00.00-2-001</u>

Internal code

1 1 3 2 5

Quantity (weight, volume) of sample for testing:

According to the approved sampling plan

No p/p	The name of indicators	Permissible limits	Techniques control
1.	Description	White or almost white crystalline powder	Visual ND RB 0117C-2016
2.	Authenticity (identification)	A. The IR spectrum of the test substance must correspond to IR spectrum in Fig. 1 ND B. Qualitative reaction C. The UV spectrum of the solution should have a maximum absorption at a wavelength of 285 nm	State Fund of the Republic of Belarus II, vol. 1, 2.2.24 ND RB 0117C-2016 ND RB 0117C-2016 State Fund of the Republic of Belarus II, vol. 1, 2.2.25 ND RB 0117C-2016
3.	Transparency	The solution must be transparent	State Fund of the Republic of Belarus II, vol. 1, 2.2.1 ND RB 0117C-2016
4.	Chroma	The solution should be colorless	State Fund of the Republic of Belarus II, vol. 1, 2.2.2, method II, ND RB 0117C-2016
5.	Acidity or alkalinity	Must stand the test	ND RB 0117C-2016
6.	Amino acids	The solution should not turn blue-violet.	ND RB 0117C-2016
7.	Chlorides	No more than 100 ppm	State Fund of the Republic of Belarus II, vol. 1, 2.4.4 ND RB 0117C-2016
8.	Heavy metals	No more than 20 ppm	State Fund of the Republic of Belarus II, vol. 1, 2.4.8, method A,

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POTASSIUM OROTATE	

			ND RB 0117C-2016
9.	Weight loss on drying	No more than 0.5%	State Fund of the Republic of Belarus II, vol. 2, 2.2.32 ND RB 0117C-2016
10.	Microbiological purity: - total number of aerobes in 1 g - total number of mushrooms in 1 g - Escherichia coli in 1 g	State Fund of the Republic of Belarus II, vol. 1, 5.1.4 - 10 ³ CFU - 10 ² CFU - absence	State Fund of the Republic of Belarus II, vol. 1, 2.6.12, 2.6.13 ND RB 0117C-2016
eleve 1.	Quantitation: - potassium orotate - potassium	98.5% - 100.5% (in terms of dry matter) 19.78% - 20.28%	State Fund of the Republic of Belarus II, vol. 2, 2.2.20 ND RB 0117C-2016
2.	Storage	In a tightly sealed container. In a place at a temperature of 15°C to 25°C	protected from moisture
3.	Best before date	3 years	

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FENTANYL	with: 301 3

			amended. 1
7.	Heavy metals	No more than 20 ppm	State Fund of the Republic of Belarus II, vol. 1, 2.4.8, method C, ND RB 0935C-2015, amended. 1
8.	Sulfated ash	No more than 0.1%	State Fund of the Republic of Belarus II, vol. 1, 2.4.14 ND RB 0935C-2015, amended. 1
9.	Bacterial endotoxins	Less than 50 EU/mg	State Fund of the Republic of Belarus II, vol. 1, 2.6.14 ND RB 0935C-2015, amended. 1
10.	Residual quantities of organic solvents: - ethanol - methanol	- no more than 2000 ppm - no more than 1000 ppm	State Fund of the Republic of Belarus II, vol. 2, 5.4, vol.1, 2.4.24 ND RB 0935C-2015, amended. 1
ele ven	Microbiological purity: - total number of aerobes and total number of fungi (total) in 1g - gram-negative bacteria tolerant to bile, or bacteria of the Enterobacteriaceae family in 1g - Pseudomonas aeruginosa in 1g - Staphylococcus	State Fund of the Republic of Belarus II , vol. 1, 5.1.4 - no more than 10 ² CFU - absence	State Fund of the Republic of Belarus II, vol. 1, 2.6.12, 2.6.13 ND RB 0935C-2015, amended. 1
	aureus in 1g	- absence	
12.	quantitation	Not less than 99.0% and not more than 101.0%, in terms of dry matter	ND RB 0935C-2015, amended. 1
13.	Storage	In a place protected from light at a temperature	not exceeding 25°C
14.	Best before date	4 years	and the training 25 C

"BELMEDPREPARATY"	SP-0.2058.05-2-478
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GUD UFSK	With. 2of 3
FI	ENTANYL

Manufacturer: Johnson Matthey Macfarlan Smith, UK

Provider:

According to the list of approved suppliers

Selection is carried out in accordance with: SOP-0.2200.00.00-2-001

Internal code

1 1 1 0 3

Quantity (weight, volume) of sample for testing:

According to the approved sampling plan

No. p/p	The name of indicators	Permissible limits	Techniques control
1.	Description (properties)	White or almost white powder. Shows polymorphism. Practically insoluble in water R, easily soluble in 96% alcohol R and methanol R	Visual State Fund of the
2.	Authenticity (Identification)	The IR spectrum of the test substance must correspond to the IR spectrum of the fentanyl standard for the reference spectrum (Fig. 1 ND)	State Fund of the Republic of Belarus II, vol. 1, 2.2.24 ND RB 0935C-2015, amended. 1
3.	Transparency	The solution of the test substance must be transparent	State Fund of the Republic of Belarus II , vol. 1, 2.2.1 ND RB 0935C-2015, amended. 1
4.	Chroma	The color of the solution should be no more intense than the color of standard B(K) 7	State Fund of the Republic of Belarus II , vol. 1, 2.2.2, method II, ND RB 0935C-2015, amended. 1
5.	Related impurities: - impurity A - impurity B - impurity C - impurity D - unspecified impurities - amount of impurities	- no more than 0.25% - no more than 0.10% - no more than 0.5%	State Fund of the Republic of Belarus II, vol. 2, 2.2.29 ND RB 0935C-2015, amended. 1
6.	Weight loss on drying	No more than 0.5%	State Fund of the Republic of Belarus II, vol. 2, 2.2.32 ND RB 0935C-2015,

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GUD UFSK	With. 3of 3
TETRAHYDROZOLINE HYDROCHLO	RIDE

			Republic of Belarus II , 2.4.14 ND RB 2069C-2020
8.	Heavy metals	No more than 0.005% (50 ppm)	State Fund of the Republic of Belarus II , 2.4.8, method A ND RB 2069C-2020
9.	Residual amounts of organic solvents: 2-propanol	No more than 5000 ppm	State Fund of the Republic of Belarus II , 2.2.28, 2.4.24, 5.4 ND RB 2069C-2020
10.	Related impurities: -impurity A - any other impurity -sum of impurities	-no more than 0.1% -no more than 0.1% -no more than 0.2%	State Fund of the Republic of Belarus II , 2.2.28 ND RB 2069C-2020
eleve n.	Related impurities: - N -(2-aminoethyl)- tetrahydronaphthalen-1-yl amide (impurity 7) -1,2,3,4-tetrahydro-1- naphthoic acid (impurity 13)	-no more than 0.10% -no more than 0.10%	State Fund of the Republic of Belarus II , 2.2.29 ND RB 2069C-2020
12.	Microbiological purity: -total number of aerobes and total number of fungi (total) in 1 g - gram-negative bacteria tolerant to bile, or bacteria of the Enterobacteriaceae	State Fund of the Republic of Belarus II, 5.1.4 No more than 10 ² CFU	State Fund of the Republic of Belarus II , 2.6.12, 2.6.13 ND RB 2069C-2020
	family in 1g - Pseudomonas aeruginosa in 1g - Staphylococcus aureus in 1g	Absence	
		Absence Absence	
13.	quantitation	From 98.0% to 101.0% in terms of dry matter	State Fund of the Republic of Belarus II, 2.2.20 ND RB 2069C-2020
14.	Storage	In an airtight container, protected from lig exceeding 25°C	
15.	Best before date	3 years	

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Revision: 01

GUD UFSK

TETRAHYDROZOLINE HYDROCHLORIDE

Manufacturer: PCAS Finland Oy, Finland

Supplier: According to the list of approved suppliers

Selection is carried out in accordance with SOP-0.2200.00.00-2-001

Internal code 1 2 4 4 4 2

Quantity (weight, volume) of sample for testing: According to the

approved sampling plan

No.	The name of indicators	Permissible limits	Techniques
p/p 1.	Description	White or almost white crystalline powder.	Control
	Description	Easily soluble in <i>water R</i> .	Visual, State Fund of the Republic of Belarus II, 1.4, ND RB 2069C-2020
2.	Authenticity (Identification)	A. The IR spectrum of the test substance must correspond to the IR spectrum of FSO tetrizoline hydrochloride (EP CRS), or the IR spectrum presented in Figure 1. ND RB 2069C-2020 B. In the chromatogram of the test solution, the retention time of the main peak should correspond to the retention time of the main peak in the chromatogram of the standard solution (a). C. Qualitative reaction(s) to chlorides	
			State Fund of the Republic of Belarus II, 2.3.1 ND RB 2069C-2020
3.	Transparency	Solution S must be transparent	State Fund of the Republic of Belarus II, 2.2.1 ND RB 2069C-2020
4.	Chroma	Solution S should be colorless	State Fund of the Republic of Belarus II, 2.2.2, method II ND RB 2069C-2020
5.	рН	pH of solution S from 4.5 to 6.5	State Fund of the Republic of Belarus II, 2.2.3 ND RB 2069C-2020
6.	Weight loss on drying	No more than 0.5%	State Fund of the Republic of Belarus II, 2.2.32 ND RB 2069C-2020
7.	Sulfated ash	No more than 0.1%	State Fund of the

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SUFENTANIL CITE	· ·

	-impurity E	-no more than 0.5%	
	-impurity F	-no more than 0.5%	
	-impurity G	-no more than 0.5%	
	-impurity H	-no more than 0.5%	
	-impurity I	-no more than 0.5%	
	- any unspecified im-	-no more than 0.5%	
	purity	-no more than 0.10%	
	-sum of impurities	no more than 0.1070	
	- same of impurities	-Not more than 1.0%	
10.	Bacterial endotoxins	Less than 100 EE/mg	C
10.	Bucterial endotoxins	Less than 100 EE/mg	State Fund of the Republic of Belarus II,
		- 12 = 1 = - 12	vol. 1, 2.6.14
		the second secon	ND RB 2149C-2020
eleven.	Microbiological	State Fund of the Republic of Belarus	State Fund of the Re-
	purity:	II, vol. 1, 5.1.4	
	- the total number of	11, vol. 1, 5.1.4	public of Belarus II,
	aerobes and the total	no more than 10 ² CFU	vol. 1, 2.6.12, 2.6.13,
	number of fungi (total)	no more than 10 °CFO	ND RB 2149C-2020
	in 1 g;	- 10 - 1 x x x x x x x	
	- gram-negative bacte-		
	ria tolerant to bile, or		
		absence	
	bacteria of the Entero-	3.4	
	bacteriaceae family in		
	1 g;		
	- Pseudomonas aeru-		
	ginosa in 1 g;	absence	
	 Staphylococcus au- 		
	reus in 1 g	absence	
12.	quantitation	Not less than 99.0% and not more than	ND RB 2149C-2020
		101.0%, calculated on dry matter	
13.	Storage	In a place protected from light at a ter	mperature not exceedir
		25°C	

^{*} For the Platinoids* (palladium) test, data is accepted from the certificate of the manufacturer of the pharmaceutical substance - Macfarlan Smith Limited, UK

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	With. 2of 3
SUFENTANIL CIT	RATE

sometitle

Manufacturer: Macfarlan Smith Limited, UK Supplier: According to the list of approved suppliers

The selection is made according to : SOP-0.2200.00.00-2-001

Internal code 1 2 9 0

Quantity (weight, volume) of sample for testing: According to the approved sampling plan

No. p/p	Name indicators	Permissible limits	Control methods
1.	Description	White or almost white powder. Soluble in <i>water R</i> , readily soluble in <i>methanol R</i> , soluble in <i>96% alcohol</i> R.	Visual, State Fund of the Republic of Belarus II, vol. 2, 1.4 ND RB 2149C-2020
2.	Authenticity (Identification)	The IR spectrum of the test substance should correspond to the standard IR spectrum of sufentanil citrate (EP CRS) presented in Figure 1 ND RB 2149C-2020	State Fund of the Republic of Belarus II, vol. 1, 2.2.24 ND RB 2149C-2020
3.	Transparency	Solution S must be transparent	State Fund of the Republic of Belarus II, vol. 1 2.2.1, ND RB 2149C-2020
4.	Chroma	Solution S should be colorless or the color of the solution S should be no more intense than standard B(K) 9	State Fund of the Republic of Belarus II, vol. 1, 2.2.2 ND RB 2149C-2020
5.	Weight loss on drying	No more than 0.5%	State Fund of the Republic of Belarus II, vol. 1, 2.2.32, ND RB 2149C-2020
6.	Residual amounts of organic solvents: - acetone	No more than 0.3%	State Fund of the Republic of Belarus II, vol. 1, 2.2.28, 2.4.24, vol. 2, 5.4. ND RB 2149C-2020
7.	Heavy metals	No more than 20 ppm	ND RB 2149C-2020
8.	Platinoids* (palladium)	No more than 1 ppm	State Fund of the Republic of Belarus II, vol. 1, 2.2.23, method,
9.	Related impurities: -impurity A -impurity B -impurity C -impurity D	-no more than 0.5% -no more than 0.5% -no more than 0.5%	ND RB 2149C-2020 State Fund of the Republic of Belarus II, vol. 2, 2.2.29 ND RB 2149C-2020

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PROMEDOL	

12.	Residual quantities of organic solvents: - isopropyl alcohol - diethyl ether	- no more than 1000 ppm - no more than 1000 ppm	State Fund of the Republic of Belarus II, vol. 2, 5.4, vol.1, 2.4.24 ND RB 1544 C - 2015,
13.	Propionic acid	No more than 1000 ppm	change 1 ND RB 1544 C - 2015, change 1
14.	Bacterial endotoxins	Less than 7.04 EU/mg	State Fund of the Republic of Belarus II, vol. 1, 2.6.14 ND RB 1544 C - 2015,
15.	Microbiological purity: - total number of aerobes and total number of fungi (total) in 1g - gram-negative bacteria tolerant to bile, or bacteria of the Enterobacteriaceae family in 1g - Pseudomonas aeruginosa in 1g - Staphylococcus aureus in 1g	State Fund of the Republic of Belarus II, vol. 1, 5.1.4 - no more than 10 ² CFU - absence - absence	change 1 State Fund of the Republic of Belarus II, vol. 1, 2.6.12, 2.6.13 ND RB 1544 C - 2015, change 1
16.	quantitation	Not less than 99.0% and not more than 101.0%, in terms of dry matter	ND RB 1544 C - 2015, change 1
17.	Storage	In a place protected from light and moisture at a to 25°C	temperature of 15°C
18.	Best before date	2 years	

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WY BELWEDI KEFARATY"		SP-0.2058.05-2-442
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GUDUFSK		With. 3of 3
	PROMEDOL	

5.	Chroma	The color of solution S should be no more	State Fund of the
		intense than the color of standard B(K) 7	Republic of Belarus II , vol. 1, 2.2.2, method II, ND RB 1544 C - 2015, change 1
6.	pН	From 4.5 to 6.0. Determine the pH of the solution S.	State Fund of the Republic of Belarus II, vol. 1, 2.2.3 ND RB 1544 C - 2015, change 1
7.	Related impurities: -1,2,5-trimethyl-4- phenylpiperidol-4 - any other impurity - amount of any other impurities	- no more than 0.3% - no more than 0.1% - no more than 2	State Fund of the Republic of Belarus II, vol. 1, 2.2.27 ND RB 1544 C - 2015, change 1
8.	Sulfates	No more than 0.05%	State Fund of the Republic of Belarus II, vol. 1, 2.4.13 ND RB 1544 C - 2015, change 1
9.	Weight loss on drying	No more than 0.5%	State Fund of the Republic of Belarus II, vol. 2, 2.2.32 ND RB 1544 C - 2015, change 1
10.	Sulfated ash	No more than 0.1%	State Fund of the Republic of Belarus II, vol. 1, 2.4.14 ND RB 1544 C - 2015, change 1
leve n.	Heavy metals	No more than 0.001%	State Fund of the Republic of Belarus II , vol. 1, 2.4.8, method A, ND RB 1544 C - 2015, change 1

"BELMEDPREPARATY"		SP-0.2058.05-2-442
GUD UFSK		Revision: 01
GCD CFSK		With. 2of 3
	PROMEDOL	

Manufacturer: State enterprise Research and design

Institute of Chemical Technologies Khimtekhnologiya, Ukraine

Provider:

According to the list of approved suppliers

Selection is carried out in accordance with: SOP-0.2200.00.00-2-001

Internal code

1 1 0 2 0

Quantity (weight, volume) of sample for testing:

According to the approved sampling plan

No. p/p	The name of indicators	Permissible limits	Techniques control
1.	Description	White or white with a creamy tint, finely crystalline powder, odorless or with a slight specific odor	Visual ND RB 1544 C - 2015, change 1
2.	Solubility	Easily soluble in water R and chloroform R , soluble in 95% alcohol R , practically insoluble in ether R and benzene R	State Fund of the
3.	Authenticity (Identification)	A. Qualitative reaction to promedol (appearance of a red ring at the border of contact of two media) B. A yellow precipitate (promedol) appears C. Characteristic reaction (a) to chlorides	ND RB 1544 C - 2015, change 1 ND RB 1544 C -
		D. The UV spectrum of the solution in the region from 245 nm to 290 nm has maxima at wavelengths of 251 nm, 257 nm and 263 nm (Fig. 1 ND)	2015, change 1 State Fund of the Republic of Belarus II, vol. 2, 2.3.1 ND RB 1544 C - 2015, change 1 State Fund of the Republic of Belarus II, vol. 1, 2.2.25 ND RB 1544 C - 2015, change 1
4.	Solution transparency		State Fund of the Republic of Belarus II , vol. 1, 2.2.1 ND RB 1544 C - 2015, change 1

	NOVOCAINAMIDE	
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"BELMEDPREPARATY"		SP-0.2058.05-2-635

No.	The name of indicators	Permissible limits	Control methods/ control methods
	 total number of aerobes and total number of fungi (total) gram-negative bacteria tolerant to bile, or bacteria of the 	5.1.4 - no more than 10 ² CFU/g	Republic of Belarus II, 2.6.12, 2.6.13, (ND RB 0067C- 2022, amendment 1)
	Enterobacteriaceae family - Pseudomonas aeruginosa - Staphylococcus aureus	- absence (in 1 g)	Seat manufacturing liber
		- absence (in 1 g) - absence (in 1 g)	
14.	Bacterial endotoxins	No more than 0.175 EU/mg	State Fund of the Republic of Belarus II, 2.6.14, (ND RB 0067C- 2022, amendment 1)
15.	quantitation	98.0% - 101.0% in terms of dry matter	State Fund of the Republic of Belarus II, 2.5.8, (ND RB 0067C- 2022, amendment 1)
16.	Storage	In a place protected from light at a terr 30°C	mperature not exceeding
17.	Best before date	3 years	

Note:

All regulatory documents given in this specification must be viewed with changes current as of the date of testing.

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No.	The name of indicators	Permissible limits	Control methods/
4.	Melting temperature	From 166°C to 170°C	State Fund of the Republic of Belarus II, 2.2.14, (ND RB 0067C-
5.	Transparency	The test solution must be transparent	2022, amendment 1) GF RB II, 2.2.1, (ND RB 0067C- 2022, amendment 1)
6.	Chroma	The test solution should be colorless or the color of the solution should be no more intense than the color of standard B(K) 6	Republic of Belarus II, 2.2.2, method II, (ND RB 0067C-
7.	pН	From 5.6 to 6.3	2022, amendment 1) GF RB II, 2.2.3, (ND RB 0067C- 2022, amendment 1)
8.	Related impurities: - any single impurity - amount of impurities	- no more than 0.2% - no more than 0.5%	State Fund of the Republic of Belarus II, 2.2.27, (ND RB 0067C- 2022, amendment 1)
9.	Residual amounts of organic solvents: - 2-propanol - methanol - 1,2-dichloroethane	- no more than 1000 ppm - no more than 500 ppm - no more than 5 ppm	State Fund of the Republic of Belarus II, 2.2.28, 5.4, (ND RB 0067C- 2022, amendment 1)
10.	Weight loss on drying	No more than 0.5%	State Fund of the Republic of Belarus II, 2.2.32, (ND RB 0067C-
eve n.	Sulfated ash	No more than 0.1%	State Fund of the Republic of Belarus II, 2.4.14, (ND RB 0067C- 2022, amendment 1)
2.	Heavy metals	No more than 20 ppm	State Fund of the Republic of Belarus II, 2.4.8, method C, (ND RB 0067C- 2022, amendment 1)
3.	Microbiological purity:	State Fund of the Republic of Belarus II,	State Fund of the

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NOVOCAINAMIDE

Manufacturer:

JSC "Organika" Russian Federation, Novokuznetsk

Provider:

according to the approved "List of suppliers / manufacturers of starting and

packaging materials"

The selection is made according to:

SOP-0.2200.00.00-2-001

Internal code:

1 1 2 9 1

Quantity (weight, volume) of sample for testing:

according to the approved "Sampling Plan"

No.	The name of indicators	Permissible limits	Control methods/ control methods
1.	Description	Crystalline powder of white or white with a slight yellowish tint. Hygroscopic.	Visual (ND RB 0067C- 2022, amendment 1)
2.	Solubility	Very easily soluble in water R, easily soluble in alcohol R 96%, slightly soluble in chloroform R and acetone R	State Fund of the Republic of Belarus II, 1.4, (ND RB 0067C- 2022, amendment 1)
3.	Authenticity (Identification)	A. The IR spectrum of the test substance in the region from 4000 cm ⁻¹ to 650 cm ⁻¹ must correspond to the IR spectrum of the procainamide hydrochloride sample standard (EP CRS) or IR spectrum shown in Fig. 1 ND B. The ultraviolet absorption spectrum of the test solution in the region from 220 to 350 nm should have an absorption maximum at a wavelength of 273 ± 2 nm. The specific absorption rate at the absorption maximum should be in the range of 580 up to 610. C. Characteristic reaction to primary aromatic amines.	State Fund of the Republic of Belarus II, 2.2.24, (ND RB 0067C-2022, amendment 1) State Fund of the Republic of Belarus II, 2.2.25, (ND RB 0067C-2022, amendment 1)
		D. Characteristic reaction (a) to chlorides. E. A cherry red color should appear.	GF RB II, 2.3.1, (ND RB 0067C-2022, amendment 1)
			GF RB II, 2.3.1, (ND RB 0067C-2022, amendment 1) ND RB 0067C-2022 amendment 1