

Appendix No. 1 to RTRS Rules: Requirements and quality standards for wheat traded on RTRS

1. The wheat grain admitted to trading on the RTRS shall be produced in the European Union and conform to the following quality requirements:
 - a. The grain should be healthy, clean, ripe, well-formed and of a colour typical of common wheat.
 - b. The grain should be free from abnormal smell and live pests (including mites) at every stage of their development.
 - c. The content of undesirable substances in the grain must not exceed the maximum levels laid down in EU legislation, including Commission Regulation (EC) No 1881/2006 as amended¹.
 - d. The level of radioactivity in the grain must not exceed that laid down in Council Regulation (EC) No 733/2008 as amended².
2. The wheat grain traded in the single-price system should conform to the following quality parameters:

/Quality parameter/ determined according to the applicable standards ³	Unit	Quality class	
		B	C
A. Maximum humidity (according to PN-EN ISO 712)	%	14.5	14.5
B. Maximum content of impurities (according to PN-EN 15587)	%	6.0	6.0
1. Broken grains	%	5.0	5.0
2. Grain impurities	%	5.0	5.0
a) shrivelled grains	%	x	x
b) other cereals	%	x	x
c) grains damaged by pests	%	x	x
d) grains with discoloured germ	%	x	x
e) grains overheated during drying	%	0.5	0.5
3. Sprouted grains	%	4.0	4.0
4. Miscellaneous impurities	%	2.0	2.0
of which:			
a) extraneous seeds	%	0.1	0.1
b) unsound grains	%	x	x

¹ Commission Regulation (EC) No 1881/2006 of 19 December 2006 setting maximum levels for certain contaminants in foodstuffs

² Council Regulation (EC) No 733/2008 of 15 July 2008 on the conditions governing imports of agricultural products originating in third countries following the accident at the Chernobyl nuclear power station

³ Standards describing methods of testing quality characteristics of wheat grain should be applied in accordance with the current version of a given standard;

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c) extraneous matter	%	x	x
d) husks	%	x	x
e) ergot	%	0.05	0.05
f) bunted grains	%	x	x
g) impurities of animal origin	%	x	x
C. Minimum bulk density according to PN-EN ISO 7971-3	kg/hl	76.0	73.0
D. Minimum protein content (Nx5.7) according to PN-EN ISO 20483	% dry matter	12.5	x
E. Minimum falling number according to PN-EN ISO 3093	seconds	220	x

x – not applicable

3. The wheat grain traded in the auction system should conform to the following quality parameters:

Quality parameter/ determined according to the applicable standards ¹	Unit	Quality class		
		A	B	C
A. Maximum humidity (according to PN-EN ISO 712)	%	14.5	14.5	14.5
B. Maximum content of impurities (according to PN-EN 15587)	%	6.0	6.0	6.0
1. Broken grains	%	3.0	5.0	5.0
2. Grain impurities	%	3.0	5.0	5.0
a) shrivelled grains	%	x	x	x
b) other cereals	%	x	x	x
c) grains damaged by pests	%	x	x	x
d) grains with discoloured germ	%	x	x	x
e) grains overheated during drying	%	0.5	0.5	0.5
3. Sprouted grains	%	4.0	4.0	4.0
4. Miscellaneous impurities	%	2.0	2.0	2.0
of which:				
a) extraneous seeds	%	0.1	0.1	0.1
b) unsound grains	%	x	x	x
c) extraneous matter	%	x	x	x
d) husks	%	x	x	x

¹ Standards describing methods of testing quality characteristics of wheat grain should be applied in accordance with the current version of a given standard;

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e) ergot	%	0.05	0.05	0.05
f) bunted grains	%	x	x	x
g) impurities of animal origin	%	x	x	x
C. Minimum bulk density according to PN-EN ISO 7971-3	kg/hl	77.0	76.0	73.0
D. Minimum protein content (Nx5.7) according to PN-EN ISO 20483	% dry matter	14	12.5	x
E. Minimum falling number according to PN-EN ISO 3093	seconds	250	220	x

x – not applicable

4. Near Infrared (NIR) methods may be used.
5. NIR spectrometers and grain moisture meters should be periodically checked in accordance with the manufacturer's recommendations.
6. Laboratory facilities and equipment used in the testing methods used should be verified in accordance with the provisions of metrological regulations.